



U.S. Department
of Homeland Security

United States
Coast Guard



Guide for Administration of Merchant Marine Deck Examinations (Deck Guide)

November 2007

This Publication provides guidance for examination room proctors and other personnel who actively monitor applicants in the exam room.



November 1, 2007

From: Commanding Officer
To: Distribution

Subj: GUIDE FOR THE ADMINISTRATION OF MERCHANT MARINE DECK
EXAMINATIONS (DECK GUIDE)

Ref: Code of Federal Regulations Title 46, Parts 10 and 12

1. PURPOSE. This manual provides guidance for the examination room proctors and other personnel who actively monitor merchant marine applicants in the exam room of the Regional Examination Centers (REC). Personnel administering Merchant Marine Deck Examinations are to use this publication to determine which modules are to be administered for a given license level and what training is acceptable in lieu of an examination module.
2. ACTION. Commanding officers of units with marine safety responsibilities should bring this manual to the attention of the maritime industry with interests in marine personnel issues and to institutions that offer U. S. Coast Guard approved training. This manual will be distributed by electronic means only. It is available on the World Wide Web at <http://www.uscg.mil/STCW/index.htm>.
3. DIRECTIVES AFFECTED. Previous edition of the Deck Guide, dated April 2007, is cancelled.
4. DISCUSSION.
 - a. The deck examination system for merchant mariners has been revised to incorporate changes to 46 CFR regarding implementing the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW), 1978, as amended. This manual includes revised near coastal and ocean examinations for mates and masters that comply with the requirements of the STCW Code for officers in charge of a navigational watch, STCW Code, section A-II/1 and table A-II/1, at the management level for chief mates and masters, and for ratings forming part of a navigational watch.
 - b. This manual also presents guidance and information on a number of new examination modules. Examination modules for the former operator of uninspected towing vessels have been replaced by the apprentice mate (steersman), as part of the revised licensing scheme for mate/pilot and master of towing vessels. New modules have also been provided for the testing of masters and mates operating offshore supply vessels (OSVs) on the oceans or in the near coastal, domestic trade. Also, there are new survival craft modules for those sailing on smaller vessels that do not carry lifeboats.

c. The Coast Guard has developed an electronic distribution of examination modules to improve examination quality and productivity. This manual reflects these changes and complements the use of the electronic distribution system.

5. PROCEDURE.

a. The Exam Structure Sheets (ESSs) contained in this manual are effective November 1, 2007 and the previous Deck Guide, dated April 2007, is cancelled.

b. The ESSs contain detailed information for each license exam. Consult the ESSs for unique directions detailed in the footnotes.

6. PROCUREMENT INFORMATION. Distribution will be provided by electronic means for local reproduction only from the Internet at <http://www.uscg.mil/STCW/mmhc-policy.htm>. Comments can be made to the Commanding Officer, National Maritime Center, (NMC-2), 130 E. Burr Blvd., Kearneysville, WV 25430 or by calling (304)-724-9547.

A handwritten signature in black ink, appearing to read 'D. Stalfort'.

DAVID C. STALFORT

Dist: Commandant (CG-522)
Areas (Ap, Pp)
All District Commanders (P)
All Sector Commanders
All RECs

RECORD OF CHANGES

CHANGE NUMBER	PAGE NUMBER	DATE OF CHANGE	DATE ENTERED	ENTERED BY

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INTRODUCTION

In its guidance on the Evaluation of Competence, the Seafarers Training, Certification, and Watchkeeping Code (STCW) states:

“Scope of knowledge is implicit in the concept of competence. Assessment of competence should, therefore, encompass more than the immediate technical requirements of the job, the skills and tasks to be performed, and should reflect the broader aspects needed to meet the full expectations of competent performance as a ship’s officer. This includes relevant knowledge, theory, principles and cognitive skills which, to varying degrees, underpin all levels of competence.”

For reasons such as these the Coast Guard continues to view its written examinations in addition to the training and practical demonstrations as an essential part of the process in developing the mariner competency.

This Publication has been designed primarily for the use of Examination Room Supervisors and other personnel who are actively engaged in overseeing applicants in the exam room. If you have any questions concerning the deck examinations or suggestions for improvements to the Exam Structure Sheets or other sections of this manual, please contact:

Mariner Training and Assessment Division (NMC-2)
U.S. Coast Guard National Maritime Center
130 E. Burr Blvd.
Kearneysville, WV 25430

Title 46 Code of Federal Regulations Part 10 instructs the Officer in Charge Marine Inspection (OCMI) to conduct a Professional Examination of applicants for original issues, raises in grade, increases in scope, and renewals of licenses. The examination follows a determination by the OCMI that the applicant’s training, appropriate practical demonstrations, and experience is satisfactory and they are eligible in all other respects. The purpose of this Publication is to provide an appropriate professional examination for the OCMI’s use, and Guidelines for the uniform administration of the examinations.

If we at the National Maritime Center may provide further information or assistance with respect to these Exam Structure Sheets, please do not hesitate to call us.

POC: Deck Team Leader
Tel: (304) 724-9547
Fax: (304) 728-5175
E-mail: ARL-DG-NMCDTeam@uscg.mil

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TABLE OF CONTENTS

Topic	Page
Table of Contents	i
Instructions	iii
Figure 1: Exam Room Rules	vi
Figure 2: Comment-Protest Sheet	viii
Figure 3: Duties of an Examiner	x
Materials Allowed in Exam Room	xii
Commonly Used Abbreviations	xiv
Module Codes	xvi
Section One	
Unlimited Deck License Listing for Oceans or near Coastal Licenses	1-1
Exam Structure Sheet Index for Unlimited Oceans or near Coastal Licenses	1-3
Figure 1.1: Signaling Exam Tape Format	1-15
Figure 1.2: Signaling Exam Tape Contents	1-17
Section Two	
Limited License Listing for Oceans or Near Coastal – Unlimited for Great Lakes & Inland	2-1
Exam Structure Sheet Index for Limited Oceans or NC – Unlimited GL & I Licenses	2-3
Section Three	
Limited Deck License Listing for Towing, FIV, OSV or OUPV Licenses	3-1
Exam Structure Sheet Index for Towing, FIV, OSV or OUPV Licenses	3-3
Section Four	
Deck MODU License and Endorsement Listing	4-1
Exam Structure Sheet Index for MODU Licenses	4-3
Section Five	
Unlicensed Deck Rating Listing	5-1
Exam Structure Sheet Index for Unlicensed Deck Ratings	5-3
Figure 5.1: Sample AB Practical Letter of Proficiency	5-10
Figure 5.2: Sample Lifeboatman Letter of Proficiency	5-23
Section Six	
Miscellaneous Listing	6-1
Exam Structure Sheet Index for Unlicensed Deck Rating	6-3

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INSTRUCTIONS

1. Exam Structure Sheets (ESS). The contents of each exam incorporating the use of test module(s) and the instructions for its administration are detailed in individual Exam Structure Sheets (ESS). There is an ESS for each license/document action for which an examination is required. Each examination is made up of one or more modules (tests). All the modules that might be required for a particular license or document action are shown; however, you may not need all modules shown. Further instructions will be provided on the individual ESS in those cases. Depending on the license/rating/endorsement for which the applicant is being examined, modules unique to a particular exam may be combined with generic modules, which are common to several exams. Each module is graded independently unless otherwise indicated.
2. Exam Room Materials. The latest list of authorized reference material allowed in the exam room begins on page xiii. Review your libraries to ensure that these publications, and ONLY these publications, are available to the applicant. Regional Exam Centers (RECs) should keep reference materials current. Other test materials which may be allowed in the exam room are listed on page xiv.
3. Exam Room Rules. The Rules of the Examination Room are listed on page vii of this publication as Figure 1.
4. Exam Procedure. When an applicant submits an application he or she should be prepared to be examined on all the material applicable to the license or document for which the application has been made. In order to allow Exam Room Supervisors to manage their time and resources it is recommended that applicants be required to make appointments for all exams. Subject to the Exam Room Supervisor's discretion, applicants may start the exam on any day the office is open. A limit of 3½ hours may be provided to each applicant to complete a test module. The examination fee set out in 46 CFR table 10.109 in Sec. 10.109 must be paid before the applicant may take the first examination section.
5. Exam Administration. When administering an examination or a complete re-examination for any license or document:
 - a. An applicant is to complete all of the exam modules on consecutive days.
 - b. Applicants may attempt as many modules as can be completed within the normal working hours of the examination room provided a minimum of two modules are completed per day, with approximately 3½ hours allowed for each module.
 - c. Administration of modules is to be made in the order published and listed in the ESS.
 - d. All of the modules comprising an exam must be completed one time before beginning retakes.
 - e. Applicants for any license level or document should not be stopped from testing even if they fail one or two modules. This ensures that the applicant will not be penalized if there is any change to the crediting of the score of an examination module through the protest process or if a correction to an exam content is determined to be necessary.
 - f. If an applicant for an unlimited license fails three (3) modules at any time during the examination, the candidate is not to be permitted to continue testing of any ensuing module.
6. Retest Policy.
 - a. If an applicant for an **unlimited** license fails three or more sections, a complete re-examination must be administered, but may be taken during any of the scheduled exam periods. On the subsequent exam, if the applicant again fails three or more sections, at least 3 months must lapse before another complete examination is attempted, and a new examination fee is required.
 - b. If an applicant fails only one or two sections during their second attempt refer to (c) & (d).
 - c. If an applicant fails one or two sections of an examination, the applicant may be retested twice as is necessary on each failed section during the next three (3) months.

- d. If the applicant does not successfully complete each failed section within the three (3) month period, a complete examination must be administered after a lapse of at least three (3) months from the date of the last retest, and a new examination fee is required.
 - e. The three (3) month retest period may be extended by the OCMI if the applicant presents discharges documenting sea time which prevented the taking of a retest during the 3 month period. The retest period may not be extended beyond seven (7) months from the initial examination.
 - f. The scheduling of **all other** deck examinations will be at the discretion of the OCMI. In the event of a failure, the applicant may be retested twice whenever the examination can be rescheduled with the OCMI. The applicant must be examined in all of the unsatisfactory sections of the preceding examination. If the applicant does not successfully complete all parts of the examination during a three (3) month period from the initial test date, a complete reexamination must be taken after a lapse of at least 2 months from the date of the last retest, and a new examination fee is required.
 - g. Applicants failing several portions of an examination or those failing one module with an extremely low score should be encouraged to study before attempting a re-examination.
7. Coordination. When situations arise that require a departure from these instructions please request guidance from the National Maritime Center (NMC-2) in writing (e-mail is acceptable). State the license or document for which application has been made, and why the applicant's circumstances are different from the norm. NMC will respond in writing to all RECs. In a spirit of fairness and in order to foster good customer relations all applicants are to be treated the same, regardless of where the applicant is being served.
 8. Planning. When planning the administration of an exam away from the REC and the Traveling Exam Team (TET) requires support from NMC-2, please ensure that advance notice of thirty (30) days is provided in writing by e-mail or fax. The POC for Deck Exams is to be the Deck Team Leader, with a copy to the Division Chief, NMC-2.
 9. Full Exams Required. An examination is required in all cases (except for river licenses) in which an applicant wants to change tonnage groups or otherwise raise the grade of his or her license. Tonnage groups are:
 - Not More Than 200 Gross Registered Tons Domestic (500 GT ITC)
 - 200 through 1,600 Gross Registered Tons Domestic (500 through 3,000 GT ITC)
 - Any Gross Tons (Greater than 1,600 GRT Domestic)
 10. Comments and Protests. If a candidate believes there is something wrong with a question that prevents it being answered correctly, i.e., no correct answer, more than one correct answer, question is poorly worded, etc, he or she must state in writing all the details regarding the discrepancies on a *Comment-Protest* sheet. The candidate must include his or her reasons and all calculations for math problems, such as pump capacity, navigation, stability, or cargo, etc and provide what he or she believes to be the correct answer. All comments, even if they will not affect the candidate's grade, are valuable and will be used to improve the quality of the questions used on future tests. If a candidate fails the exam module and has submitted comment sheets when turning in the completed answer sheet for grading, each comment sheet for a question not receiving credit will then become a *protest* for that question. Further, if the candidate fails the examination module by no more than one question, he or she will be given the opportunity to review each question for which credit was not given. Immediately after the review and prior to leaving the exam room, the candidate may submit a *protest* sheet for no more than two questions as previously indicated. These two *protests* are in addition to any *comments* submitted prior to grading the answer sheet that subsequently change from a *comment* to a *protest*. Once the candidate has reviewed his or her answer sheet and leaves the exam room for **ANY REASON** before submitting their protests, the protests will not be accepted.
 11. Multiple Ratings. When a candidate requires testing for multiple ratings, the method for assigning modules for the exam should be done in two steps. The first step is assignment of all applicable modules for the highest license. The second step is assignment of the modules for the lesser license(s) not included in the higher. The specific modules are usually Deck General, Deck Safety, Navigation General or a combination of modules that have been designed specifically for that rating and carry the exam code for that rating. Exceptions to this method may be necessary where other variables are involved.

12. Answer Sheets. In order to gather statistics on the exam questions NMC-2 scans the results into a database. For this reason, all original answer sheets must be collected and mailed to the National Maritime Center monthly. In this effort, the original Merchant Marine Examination Question Selection/Answer Sheets (CG-5164) must be used for each candidate and be forwarded as copies do not scan. The forms are available from the USCG Engineering Logistics Center. In order for the scanning system to work the candidate must darken the appropriate bubbles for their social security number, module number and test number at the top of the form as well as their choice of answer for each question. **Do not accept for grading any CG-5164 whose information block at the top is incomplete.** Do not make any administrative marks in the answer fields.
13. Exceptions to Examination Requirements. Found in MSM Vol. III, Chapter 5.
14. Local Examinations. Guidance for locally developed examinations, such as Pilotage, can be found in MSM Volume III, Chapter 5.
15. Orally Assisted Examinations. Guidance is provided in the USCG Marine Safety Manual, Volume III, Chapter 5, Section a-5.
16. Calculators. Applicants may use calculators, but are not permitted to use preprinted forms during the examinations. All calculators must meet the following standards:
 - (a) It must not use pre-programmed strips or chips or any other pre-programmed device, which may be inserted into the calculator.
 - (b) It may not be a permanently programmed, specialty computer such as a navigation computer. Computers capable of generating trigonometric functions, logs and antilogs, squares, cubes, and the roots thereof are acceptable provided they meet the other requirements.
 - (c) Any manually programmable calculator without simple erasure capability is not permitted.
 - (d) Any printed calculator tape must be turned in at the end of the exam with any scratch paper.
17. Duties of an Examiner. General guidance regarding the duties of an Exam Room Supervisor is included on page xi, as Figure 3.
18. Examination Scheduling. In order to accommodate the special circumstances involved, the graduating classes of state and Federal maritime academies may be examined by the cognizant OCMI (REC), at any time after the first semester of the senior year. Examinations for other applicants may be administered only when all regulatory prerequisites are completed. Other applicants should be scheduled in accordance with the guidance provided in preceding paragraphs.
19. Rules of the Road Module Administration. The Rules of the Road module is to be administered to all deck license candidates applying for endorsements to either remove tonnage limitations or to increase the scope of an existing license when required to complete a written examination or comparable course in lieu of the requisite examination if the rules of the road module, or a course in lieu of this module, has not been completed within the last twelve calendar months. This requirement will not apply to endorsements such as: Auxiliary Sail, Assistance Towing, Tankerman PIC, Radar or when solely administering the flashing light test.

RULES OF THE EXAMINATION ROOM

1. Handbags, briefcases, pagers, cellular phones, books, notes, etc. are not allowed in the Exam Room. Use of personal plotting equipment is encouraged. However, the Examiner may provide these items. Programmable calculators are not allowed in the exam room. During the examination you may not refer to any material other than that specifically authorized by the Examiner.
2. Anyone engaged in any form of cheating during the exam, such as, referring to concealed notes, communicating with or copying work from other examinees, removing written material from the exam room, or any other dishonest practice, will be dismissed from the exam room and will be considered to have failed the entire exam. A re-exam will not be permitted for six months. Those examinees already holding a Merchant Mariner's Document or Coast Guard license may be summoned to appear before an Administrative Law Judge where their license may be suspended, or revoked, or other penalties assessed.
3. Examinees are not permitted to leave the exam room before a module is completed. Head (restroom) calls are not normally permitted. However, if required, the examinee shall be escorted, to insure that no attempt is made to access additional information related to the exam. Upon completion of a module, all reference publications must be returned to their proper location in the exam room. The answer sheet and scratch paper is to be placed inside of the front cover of the booklet and given to the Examiner.
4. Eating and drinking is not permitted in the exam room.
5. The normal work hours for this center are _____ to _____. You may complete as many modules per day as the exam room working hours permit. A limit of 3½ hours will be permitted to complete each module. Once a module has been started, you are obligated to complete it. If an answer sheet is submitted with unanswered questions, these questions will be considered to have been answered incorrectly, which may result in a failing score.
6. Do not write or mark in the test booklets or any reference material. If you notice any marks in a test booklet or in any reference material, please notify the Examiner.
7. If you feel a question is faulty, unclear, or has no correct answer indicated, choose the most correct answer, mark the answer sheet accordingly, and complete a COMMENT - PROTEST SHEET provided by the Examiner. Explain as clearly as possible the specific concern or objection to the question. If you feel there is a more correct answer, you must **show** how you arrived at your answer including all **computations** for navigation and other mathematical problems. **A correct answer must be shown.**
8. The Examiner is always available to assist you. However, the Examiner cannot discuss question content with you. See item 7.

I HAVE READ AND UNDERSTAND THE ABOVE RULES.

I ALSO UNDERSTAND THAT I MUST COMPLETE THE ENTIRE EXAM, INCLUDING RETESTS IF ANY, WITHIN 90 DAYS OF THE BEGINNING OF THE EXAM CYCLE.

SIGNATURE: _____ DATE: _____

Figure 1: Exam Room Rules

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COMMENT - PROTEST SHEET

(For Coast Guard use only) _____ COMMENT _____ PROTEST

APPLICANT'S NAME: _____

MODULE NAME: _____

MODULE NUMBER: ___/___/___/___/___ - ___/___/___/___ QUESTION NUMBER: _____

If you believe there is something wrong with a question that prevents it being answered correctly, i.e., no correct answer, or that you believe there is more than one correct answer shown, or the question is poorly worded, etc, please give all the details below. **Include** your reasons and all **calculations** for math problems such as pump capacity, navigation, stability, or cargo. **Provide** what you believe to be **the correct answer**. Even if your comments will not affect your grade, they are considered very valuable and will be used to improve the quality of the questions used on future tests. If you fail this exam and submit your comments with your completed answer sheet, for each comment sheet for a question you did not receive credit will then become a protest for that question. Further, if you fail the examination module by no more than one question, you will be given the opportunity to review each question for which you were not given credit. Immediately after your review and without leaving the exam room following your review you may submit a protest as indicated above on no more than two questions in addition to the comment sheets you had submitted. If you review your answer sheet and leave the exam room for **ANY REASON**, prior to submitting your protests they will not be accepted.

SIGNATURE: _____ DATE: _____

Figure 2: Comment - Protest Sheet

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DUTIES OF AN EXAMINER

TYPICAL EXAMINATION PROCESSES

The examiner reviews the file of an applicant after the applicant has been approved to test for a license or endorsement. He/she reviews the file to determine the correct examination/examinations to administer. At the appropriate time, the examiner selects the modules from MMLDPROD and downloads them in preparation for the applicant's examination.

On the appointed morning after the appropriate exam fees are paid, the examiner identifies the applicant, reviews with the applicant the test procedures, reference material that may be available, and the operating procedures and rules of conduct during the exam. The applicant is given the initial module, a blank answer sheet and instructions specific to the particular test module. After the applicant completes the module and submits the answer sheet, the examiner is to perform an initial review to ensure that it is completed correctly. The applicant may then be given another test module if time permits and the applicant desires, or further testing may be deferred until the afternoon session or the following morning. The answer sheet is scored, the applicant informed of the results, and the results entered on the appropriate record. If the applicant has failed the module by no more than one question, the examiner will allow a review of the module and submission of a protest if the applicant desires. If a protest is submitted, the examiner faxes it to the National Maritime Center for review. Upon receipt of the results of the review, the applicant is advised. These procedures continue until the applicant has completed all modules that are part of the examination.

During the actual testing, the examiner oversees the exam room to preclude cheating, answers procedural questions, and provides information if the applicant desires to comment on a question. If cheating is detected, the examiner takes steps to bar the applicant from further testing for six months. At the end of the workday, the examiner accounts for all modules used; shreds used modules, scrap paper, and used charts; and prepares for the next day of testing.

After the final module and the applicant has passed the examination, the examiner reviews the applicant's file to ensure that all entries have been made and forwards the file to the issuance section. The applicant is advised of the next steps in the issuance process. If the applicant failed the examination, he or she is advised of the next steps in the testing process and another examination date is scheduled if the applicant remains eligible.

GENERAL DUTIES NOT INCLUDED ABOVE

- a. Reviews reference material to ensure that sufficient copies are available, that they are in satisfactory condition, that extraneous markings are removed, and that the material is stowed in an orderly fashion. When necessary, orders new reference material for addition to the library and purges outdated material.
- b. Ensures that consumables are adequate. Orders extra consumables when necessary.
- c. Checks examination room after closing for evidence of cheating and takes appropriate action to identify the cheater if evidence is found.
- d. Ensures that furniture in the exam room is adequate for intended use and in good, safe condition. If not, takes appropriate action to remedy.
- e. Maintains a daily log of the persons tested.
- f. Ensures that modules and completed answer sheets are filed with adequate security.

Figure 3: Duties of an Examiner

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MATERIALS ALLOWED IN THE EXAM ROOM

The following charts and miscellaneous materials are required/allowed in the examination room for use by the deck license applicant with all except the Rules of the Road module.

Order replacement copies through the National Geospatial-Intelligence Agency (NGA):

Publication	National Stock Number (NSM)
Chart 12221TR – Chesapeake Bay (Training)	7642-01-401-4083
Chart 12354TR – Long Island Sound (Training)	7642-01-400-7618
Chart 13205TR – Block Island Sound (Training)	7642-01-400-7619
Chart 18531 – Columbia River	7642-01-401-1617
Coast Pilot Volume 1 (Northern Right Whales) (any edition after 2000)	7642-01-400-8450
Coast Pilot Volume 4 (Northern Right Whales) (any edition after 2000)	7642-01-400-8449
Coast Pilot Volume 6 (Great Lakes Modules) (any edition after 2000)	7642-01-400-8454
Coast Pilot Volume 7 (Rivers and ROTWR) (any edition after 2000)	7642-01-400-8455
Great Circle Tracking Chart WOX CZ 5270	7642-01-400-9540
Great Circle Tracking Chart WOX CZ 5274	7642-01-400-9543
Publication No. 102 – International Code of Signals	7642-01-400-8462
Light List Volume V – Mississippi River System (recent edition)	7642-01-401-1120
Maneuvering Board WOBZP 5090	7642-01-400-9445
Plotting Sheet VPO SX001 – Universal	7642-01-400-9344
Plotting Sheet WOBZP 923 (17° - 24°)	7642-01-400-9447
Plotting Sheet WOBZP 924 (23° - 30°)	7642-01-400-9453
Publication No. 229 – Volume 2, latitudes 15° - 30°	7642-01-400-9225
Publication No. 117 – Radio Navigational Aids	7642-01-401-0071

For product information & ordering:

National Aeronautical Charting Office (NACO) Sales

1-800-638-8972
9-AMC-Chartsales@faa.gov

Go to website <http://naco.faa.gov/ecompc/Catalog.aspx?a=NAUT+NIM> to order online. Although most NGA navigational publications are no longer offered in printed form from US Government sources, authorized reproductions of these publications can still be purchased from commercial vendors. Known commercial vendors of authorized reproductions are listed below:

ProStar Publications Inc.
Maryland Nautical
Landfall Navigation
American Nautical Services
Waypoint
Safe Navigation, Inc.

Order from the National Weather Service (301) 713-1677 x 129:

Ship's Code Card, Form WS TA B-O-7 and Ship's Weather Observations WS FORM B-80

MATERIALS ALLOWED IN THE EXAM ROOM (Continued)

Should be distributed automatically by the GPO (202) 512-1800 :

33 CFR Parts 1 to 124	46 CFR Parts 90 to 139
33 CFR Parts 125 to 199	46 CFR Parts 140 to 155
46 CFR Parts 1 to 40	46 CFR Parts 156 to 165
46 CFR Parts 41 to 69	46 CFR Parts 166 to 199
46 CFR Parts 70 to 89	49 CFR Parts 100 to 185
CIM 16616.6A, Chemical Data Guide	

For “in house” help call:

P.O. Jennifer Cokran (CGHQ)

Telephone (202) 475-3520

Available from any one of the three Corps of Army Engineer Map Sales Offices listed below:

Flood Control and Navigation Maps of the Mississippi River, Hannibal, MO to the Gulf of Mexico (Ed. 1998)

U.S. Army Engineer District - Memphis, TN – (901) 544-3351

U.S. Army Engineer District – Vicksburg, MS – (601) 634-5710 (POC John Brooks)

U.S. Army Engineer District – New Orleans, LA – (504) 862-1823

Order replacement copies from the Department of Transportation warehouse (301) 322-4961:

COMDTPUB P16721.29	Operating Manual DEEP DRILLER (MODU exams)
COMDTPUB P16721.30	Operating Manual COASTAL DRILLER (MODU exams)
COMDTPUB P16721.31	Stability Data Reference Book
COMDTPUB P16721.32	Manual for loading the M/V GRAND HAVEN (Great Lakes exams)
COMDTPUB P16721.38	Reprints from the Light Lists and Coast Pilots
COMDTPUB P16721.46	Reprints from the Tide Tables and Tidal Current Tables

Must be purchased locally by the REC:

Title 46 SHIPPING – United States Code Annotated

HO PUB No.9 The American Practical Navigator, Volume II – 1981 Edition

May be locally produced:

Stability work sheets

Radar plotting sheets

May be provided by the applicant:

Star Finder – 2102-D or equivalent

Calculator – See Instructions (17), page v, for rules concerning calculator use.

Plotting tools – i.e. dividers, triangles, nautical slide rule

COMMONLY USED ABBREVIATIONS

<u>Abbreviation</u>	<u>Represents</u>
2/M	Second Mate
3/M	Third Mate
AB	Able Seaman
C/M	Chief Mate
COLREGS	International Rules of the Road
FIV	Fishing Industry Vessel
GL	Great Lakes
GL & I	Great Lakes and Inland
GRT	Gross Registered Tons (Domestic)
GT	Gross Tons (ITC)
INL	Inland
ITC	International Tonnage Convention
LB	Lifeboatman
M	Master
MODU	Mobile Offshore Drilling Unit
MT	Mate
NC	Near Coastal
NMT	Not More Than
O	Oceans
OI	Original Issue
OICNW	Officer in Charge of a Navigational Watch
OIM	Offshore Installation Manager
OSV	Offshore Supply Vessel
RFPNW	Rating Forming Part of a Navigational Watch
RIG	Raise in Grade
ROR	Rules of the Road
ROTWR	Rivers Other Than Western Rivers
STCW	Standards of Training, Certification and Watchkeeping
WR	Western Rivers

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MODULE CODES

A Module Code is a five-digit group that describes either the subject area (usually has a zero as a first digit) or license level involved (preceded by two digits indicating the license code). For example 05XXX or 06XXX would indicate Rules of the Road, 07XXX would indicate a generic navigation module. Modules that begin with a 1, 2, or 3 are for deck licenses. Modules that begin with a 4 are for unlicensed ratings and those that begin with a 9 are for MODUs. All other modules that begin with 5 through 8 are engineering modules. The third digit is used to denote various things, for instance to identify a geographic area (7 = Great Lakes) or special purpose, i.e., 9 indicates a Renewal Exercise. The fourth digit is used to indicate the year in which the module is generated, i.e., 07351 indicates a module generated in 2005. The fifth digit represents the version generated in that year, such as in modules 25041 and 27042, the 1 and 2 are the respective version numbers and are for these modules generated in 2004. Different versions of the test are used to vary the distribution of questions selected from the subject areas included in a typical module and use of different versions is encouraged.

OPERATIONAL LEVEL MODULES

MODULE NUMBER	MODULE NAME	MODULE USE
011X1	Deck & Navigation General + Deck Safety	2M to Master NMT 1600 GRT
011X2	“T-Boat” Regulations	OUPV to Mate NMT 100 GRT
011X3	Deck General + Deck Safety	NMT 100 GRT to NMT 200 GRT, O & NC
011X4	Deck General + Deck Safety	NMT 100 GRT to NMT 200 GRT, I
017XX	Deck General	Assistance Towing Endorsement
018XX	Deck Safety + Rules of the Road	Sail Endorsement
031XX	Deck & Navigation General + Deck Safety	First Class Pilot
032XX	Navigation General	First Class Pilot
039XX	Renewal Refresher Exercise	First Class Pilot
054XX	Rules of the Road	International + Inland – 50 questions
059XX	Rules of the Road	International + Inland Renewals
065XX	Rules of the Road	International + Inland – 30 questions
066XX	Rules of the Road	Inland Rules Only – 30 questions

MODULE NUMBER	MODULE NAME	MODULE USE
069XX	Rules of the Road	Inland Rules Only – Renewals
072X1	Navigation General	NMT 1600 GRT, Any Waters
072X3	Navigation General	Rivers Other than Western Rivers
072X4	Navigation General	Western Rivers
073XX	Navigation General + Chart Navigation	Over 100 GRT and UFIV, OUTV, First Class Pilot
074XX	Navigation Problems	Rivers Other than Western Rivers
075XX	Navigation Problems	Western Rivers
077X2	Chart Navigation – Chesapeake Bay Entr.	Mast/Mate – NMT 100 GRT + OUPV
077X3	Chart Navigation – Long Island Sound	Mast/Mate – NMT 100 GRT + OUPV
077X4	Chart Navigation – Block Island Sound	Mast/Mate – NMT 100 GRT + OUPV
078XX	Navigation Problems – Oceans	Mate 500/1600, Mate IFIV, Master 200, OUTV
121XX	Deck & Navigation General + Safety	Second Mate – AGT - Oceans & Near Coastal
124XX	Navigation Problems-Near Coastal	Second Mate-AGT-Near Coastal
125XX	Navigation Problems – Oceans	Second Mate – AGT – Oceans
129XX	Renewal Exercise	Second/Third Mate – AGT or Mate - LTD
141XX	Deck General	OICNW – Mate – AGT - Oceans & NC
142XX	Navigation General	OICNW – Mate – AGT - Oceans & NC
143XX	Deck Safety	OICNW – Mate – AGT - Oceans & NC
144XX	Navigation Problems – Chart Plotting	OICNW – Mate – AGT - Oceans & NC
145XX	Navigation Problems – Near Coastal	OICNW – Mate – AGT - Oceans & NC
146XX	Navigation Problems – Oceans	OICNW – Mate – AGT - Oceans
147XX	Navigation General – Oceans	OICNW – Mate – AGT –Increase in scope, oceans
169XX	Renewal Exercise	Mate or Master OSV – Oceans or Near Coastal
171XX	Deck General, Safety & Environmental Prot.	Mate – OSV – NMT 500 GRT – O & NC (dom)
172XX	Navigation General	Mate – OSV – NMT 500 GRT – O & NC (dom)
174XX	Navigation Problems – Chart Plotting	Mate – OSV – NMT 500 GRT – O & NC (dom)
175XX	Navigation Problems – Near Coastal	Mate – OSV – NMT 500 GRT – O & NC (dom)
176XX	Navigation Problems - Oceans	Mate – OSV – NMT 500 GRT – Oceans

MODULE NUMBER	MODULE NAME	MODULE USE
181XX	Deck General	OICNW – Mate – NMT 500 GRT - Oceans & NC
182XX	Navigation General	OICNW – Mate – NMT 500 GRT – Oceans & NC
183XX	Deck Safety	OICNW – Mate – NMT 500 GRT – Oceans & NC
184XX	Navigation Problems – Chart Plotting	OICNW – Mate – NMT 500 GRT – Oceans & NC
185XX	Navigation Problems – Near Coastal	OICNW – Mate – NMT 500 GRT – Oceans & NC
186XX	Navigation Problems – Oceans	OICNW – Mate – NMT 500 GRT – Oceans & NC
187XX	Navigation General – Oceans	OICNW – Mate – NMT 5/1600 – Increase in scope
191XX	Deck General	OICNW – Mate – NMT 1600 GRT - Oceans & NC
192XX	Navigation General	OICNW – Mate – NMT 1600 GRT –Oceans & NC
193XX	Deck Safety	OICNW – Mate – NMT 1600 GRT –Oceans & NC
194XX	Navigation Problems – Chart Plotting	OICNW – Mate – NMT 1600 GRT –Oceans & NC
195XX	Navigation Problems – Near Coastal	OICNW – Mate – NMT 1600 GRT –Oceans & NC
196XX	Navigation Problems – Oceans	OICNW – Mate – NMT 1600 GRT –Oceans & NC
221XX	Deck General + Deck Safety	Mast/Mate – NMT 200 GRT – O & NC
229XX	Renewal Exercise	Mast/Mate – NMT 200 GRT – O & NC
241XX	Deck General + Navigation General	Mate – AGT – Great Lakes & Inland
245XX	Deck General + Deck Safety	Mate – AGT – Great Lakes & Inland
247XX	Great Lakes Topics	Mate – AGT – Great Lakes & Inland
249XX	Renewal Exercise	Mast/Mate – AGT – Great Lakes & Inland
259XX	Renewal Exercise	Mast/Mate – NMT 500/1600 GRT – GL & I
261XX	Deck General + Deck Safety	Mate – NMT 500/1600 GRT – GL & I
267XX	Great Lakes Topics	Mate – NMT 500/1600 GRT – GL & I
271XX	Deck & Navigation General + Deck Safety	Mast/Mate – NMT 200 GRT – GL & I
279XX	Renewal Exercise	Mast/Mate – NMT 200 GRT – GL & I
309XX	Renewal Exercise	Mast/Mate – NMT 500/1600/AGT – Rivers
311XX	Deck & Navigation General + Deck Safety	Mate – NMT 500/1600/AGT – Rivers
321XX	Deck & Navigation General + Deck Safety	Mast/Mate – NMT 200 GRT – Rivers

MODULE NUMBER	MODULE NAME	MODULE USE
329XX	Renewal Exercise	Mast/Mate – NMT 200 GRT – Rivers
341XX	Deck & Navigation General + Deck Safety	Master/Mate – Towing Vessels – Oceans & NC
349XX	Renewal Exercise	Master/Mate – Towing Vessels – Oceans & NC
351XX	Deck & Navigation General + Deck Safety	Master/Mate – Towing Vessels – Great Lakes & I
359XX	Renewal Exercise	Master/Mate – Towing Vessels – Great Lakes & I
361XX	Deck & Navigation General + Deck Safety	Master/Mate – Towing Vessels – Western Rivers
369XX	Renewal Exercise	Master/Mate – Towing Vessels – Western Rivers
381XX	Deck & Navigation General + Deck Safety	Mate UFIV – Oceans & Near Coastal
389XX	Renewal Exercise	Mate UFIV – Oceans & Near Coastal
391XX	Deck General + Deck Safety	Operator UPV – Near Coastal, GL & I
399XX	Renewal Exercise	Operator UPV – Near Coastal, GL & I
901XX	Mobile Offshore Drill Unit Operations	MODU – Ballast Control Officer
902XX	Deck & Navigation General + Safety + MODU	MODU – Ballast Control Officer
909XX	Renewal Exercise	MODU – Ballast Control Officer

MANAGEMENT LEVEL MODULES

MODULE NUMBER	MODULE NAME	MODULE USE
101XX	Deck & Navigation General + Safety	Master – AGT – Oceans & Near Coastal
102XX	Stability	Master – AGT – Oceans & Near Coastal
103XX	Navigation Problems – Oceans	Master – AGT – Oceans
105XX	Navigation Problems – Near Coastal	Master – AGT – Near Coastal
109XX	Renewal Exercise	Master or Chief Mate – AGT – O & NC
150XX	Deck & Navigation General – Oceans	Master or Chief Mate – Increase in Scope - Oceans
151XX	Deck General – Part A	Chief Mate – AGT – O & NC
152XX	Deck General – Part B	Chief Mate – AGT – O & NC
153XX	Navigation General	Chief Mate – AGT – O & NC
154XX	Deck Safety	Chief Mate – AGT – O & NC

MODULE NUMBER	MODULE NAME	MODULE USE
155XX	Stability – Problems	Chief Mate – AGT – O & NC
156XX	Navigation Problems – Chart Plotting	Chief Mate – AGT – O & NC
157XX	Navigation Problems – Near Coastal	Chief Mate – AGT – O & NC
158XX	Navigation Problems – Oceans	Chief Mate – AGT – O & NC
161XX	Deck General, Safety & Environmental Prot.	Master – OSV – NMT 500 GRT – O & NC (dom)
162XX	Navigation General	Master – OSV – NMT 500 GRT – O & NC (dom)
164XX	Navigation Problems – Chart Plotting	Master – OSV – NMT 500 GRT – O & NC (dom)
165XX	Navigation Problems	Master – OSV – NMT 500 GRT – O & NC (dom)
166XX	Navigation General	Master – OSV – NMT 500 GRT – Oceans
201XX	Deck General	Master – NMT 500 GRT – Oceans & NC
202XX	Navigation General	Master – NMT 500 GRT – Oceans & NC
203XX	Deck Safety	Master – NMT 500 GRT – Oceans & NC
204XX	Navigation Problems – Chart Plotting	Master – NMT 500 GRT – Oceans & NC
205XX	Navigation Problems – Near Coastal	Master – NMT 500 GRT – Oceans & NC
206XX	Navigation Problems – Oceans	Master – NMT 500 GRT – Oceans & NC
207XX	Deck & Navigation General – Oceans	Master – NMT 500/1600 GRT – Increase in scope
209XX	Renewal Exercise	Master – NMT 500/1600 GRT – O & NC
211XX	Deck General	Master – NMT 1600 GRT – Oceans & NC
212XX	Navigation General	Master – NMT 1600 GRT – Oceans & NC
213XX	Deck Safety	Master – NMT 1600 GRT – Oceans & NC
214XX	Navigation Problems – Chart Plotting	Master – NMT 1600 GRT – Oceans & NC
215XX	Navigation Problems – Near Coastal	Master – NMT 1600 GRT – Oceans & NC
216XX	Navigation Problems – Oceans	Master – NMT 1600 GRT – Oceans & NC
231XX	Deck General + Navigation General	Master – AGT – Great Lakes & Inland
235XX	Deck Safety	Master – AGT – Great Lakes & Inland
237XX	Great Lakes Topics	Master – AGT – Great Lakes & Inland
251XX	Deck & Navigation General + Deck Safety	Master – NMT 500/1600 GRT – GL & I
257XX	Great Lakes Topics	Master – NMT 500/1600 GRT – GL & I

MODULE NUMBER	MODULE NAME	MODULE USE
301XX	Deck General + Deck Safety	Master – NMT 500/1600/AGT – Rivers
371XX	Deck & Navigation General + Deck Safety	Master UFIV – Oceans & Near Coastal
374XX	Navigation Problems – Oceans	Master UFIV – Oceans
379XX	Renewal Exercise	Master UFIV – Oceans & Near Coastal
911XX	Mobile Offshore Drill Unit Operations	MODU – Barge Supervisor
912XX	Deck General + Deck Safety	MODU – Barge Supervisor
919XX	Renewal Exercise	MODU – Barge Supervisor
921XX	Mobile Offshore Drill Unit Operations	Offshore Installation Manager – Unlimited
922XX	Deck General + Deck Safety	Offshore Installation Manager – Unlimited
929XX	Renewal Exercise	Offshore Installation Manager
931XX	Mobile Offshore Drill Unit Operations	OIM – Surface Unit – On Location
941XX	Mobile Offshore Drill Unit Operations	OIM – Surface Unit – Underway
951XX	Mobile Offshore Drill Unit Operations	OIM – Bottom Bearing Unit – On Location
961XX	Mobile Offshore Drill Unit Operations	OIM – Bottom Bearing Unit – Underway

SUPPORT LEVEL MODULES

MODULE NUMBER	MODULE NAME	MODULE USE
431XX	Deck General & Navigation General	Able Seaman – Sail
432XX	Deck Safety & Rules of the Road	Able Seaman – Sail
439XX	Renewal Exercise	Able Seaman – Sail
441XX	Survival Craft	Lifeboatman Limited
449XX	Renewal Exercise	Lifeboatman Limited
451XX	Deck General & Navigation General	Able Seaman – Unlimited, Limited, Special
452XX	Deck Safety & Rules of the Road	Able Seaman – Unlimited, Limited, Special
459XX	Renewal Exercise	Able Seaman – Unlimited, Limited, Special
461XX	Deck General & Navigation General	Able Seaman – Offshore Supply Vessel
462XX	Deck Safety & Rules of the Road	Able Seaman – Offshore Supply Vessel
469XX	Renewal Exercise	Able Seaman – Offshore Supply Vessel

MODULE NUMBER	MODULE NAME	MODULE USE
471XX	Deck General & Navigation General	Able Seaman – Mobile Offshore Drill Unit
472XX	Deck Safety & Rules of the Road	Able Seaman – Mobile Offshore Drill Unit
479XX	Renewal Exercise	Able Seaman – Mobile Offshore Drill Unit
481X1	Deck Safety + Rules of the Road	Lifeboatman
489XX	Renewal Exercise	Lifeboatman
491XX	Deck Safety + Rules of the Road	Lifeboatman – Mobile Offshore Drill Unit
499XX	Renewal Exercise	Lifeboatman – Mobile Offshore Drill Unit

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SECTION ONE

UNLIMITED DECK LICENSES

For Licenses to Serve on Vessels of Any Gross Registered Tons

— As —

THIRD MATE

SECOND MATE

CHIEF MATE

MASTER

— On —

OCEANS OR NEAR COASTAL WATERS

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EXAM STRUCTURE SHEET INDEX FOR UNLIMITED DECK LICENSES

ESS	License Action	License Condition	Page
THIRD MATE - OICNW			
1-1	OI	Oceans	1-5
1-2	OI	Near Coastal	1-6
1-3	Increase in Scope	To-Oceans	1-7
1-4	Renewal	Oceans or Near Coastal	1-7
SECOND MATE			
1-5	RIG	Oceans	1-8
1-6	RIG	Near Coastal	1-8
1-3	Increase in Scope	To-Oceans	1-7
1-4	Renewal	Oceans or Near Coastal	1-7
CHIEF MATE			
1-7	RIG	Oceans	1-9
1-8	RIG	Near Coastal	1-10
1-9	Increase in Scope	To-Oceans	1-11
1-10	Renewal	Oceans or Near Coastal	1-11
MASTER			
1-11	RIG	Oceans	1-12
1-12	RIG	Near Coastal	1-12
1-9	Increase in Scope	To-Oceans	1-11
1-10	Renewal	Oceans or Near Coastal	1-11
PRACTICAL DEMONSTRATIONS			
1-13	Visual Signaling Demonstration		1-13

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EXAM STRUCTURE SHEET NO. 1 – 1	License Type: License Group: License Action: License Condition:	THIRD MATE - OICNW ANY GROSS REGISTERED TONS ORIGINAL ISSUE OR RAISE IN GRADE OCEANS	EXAM CODE 14BR
NUMBER OF MODULES: Seven (7)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
141XX – Deck General		70	70
142XX – Navigation General		70	70
143XX – Deck Safety & Environmental Protection		70	70
144XX – Navigation Problems – Chart Plotting ⁽¹⁾		15	90
145XX – Navigation Problems – Near Coastal		10	90
146XX – Navigation Problems – Celestial ^{(2) (4)}		15	80

Notes:

- (1) Applicants may miss two (2) of the fifteen (15) questions in module 144XX (Chart Plotting) and pass.
- (2) Applicants not able to successfully complete module 146XX (Oceans Navigation) are to be restricted to Great Lakes, inland or near coastal operations.
- (3) Applicants for an unlimited deck license, oceans or near coastal, original or raise in grade, must also pass a practical visual signaling (flashing light) exam in accordance with 46 CFR 10.401(h).
- (4) Courses approved for Celestial Navigation for 500/1600 Tons can **NOT** be used to satisfy this module for Third Mate - OICNW.

EXAM STRUCTURE SHEET NO. 1 – 2	License Type: License Group: License Action: License Condition:	THIRD MATE - OICNW ANY GROSS REGISTERED TONS ORIGINAL ISSUE OR RAISE IN GRADE NEAR COASTAL	EXAM CODE 14AR
NUMBER OF MODULES: Six (6)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
141XX – Deck General		70	70
142XX – Navigation General		70	70
143XX – Deck Safety & Environmental Protection		70	70
144XX – Navigation Problems – Chart Plotting ⁽²⁾		15	90
145XX – Navigation Problems – Near Coastal		10	90

Notes:

- (1) Applicants may miss two (2) of the fifteen (15) questions in module 144XX (Chart Plotting) and pass.
- (2) Applicants for an unlimited deck license, oceans or near coastal, original or raise in grade, must also pass a practical visual signaling (flashing light) exam in accordance with 46 CFR 10.401(h).

EXAM STRUCTURE SHEET NO. 1 – 3	License Type: License Group: License Action: License Condition:	THIRD or SECOND MATE - OICNW ANY GROSS REGISTERED TONS INCREASE IN SCOPE FROM NEAR COASTAL TO - OCEANS	EXAM CODE 14BI
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
146XX – Navigation Problems – Oceans		15	80
147XX – Navigation General – Oceans		20	70

EXAM STRUCTURE SHEET NO. 1 – 4	License Type: License Group: License Action: License Condition:	THIRD or SECOND MATE – OICNW ANY GROSS REGISTERED TONS RENEWAL OCEANS/NEAR COASTAL	EXAM CODE 14RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road ⁽¹⁾		30	90
129XX – Renewal Exercise ⁽¹⁾		50	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a three-month waiting period.
- (3) Applicants who successfully complete an approved refresher-training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.

EXAM STRUCTURE SHEET NO. 1 – 5	License Type: License Group: License Action: License Condition:	SECOND MATE ANY GROSS REGISTERED TONS RAISE IN GRADE OCEANS	EXAM CODE 12BO
NUMBER OF MODULES: Three (3)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
121XX – Deck & Navigation General + Safety		70	70
125XX – Navigation Problems – Oceans Topics ⁽⁵⁾		10	80

Notes:

- (1) Applicants who commenced examining for their Third Mate's, Oceans license prior to February 1, 2002 will need to be tested on the modules listed above for a raise in grade.
- (2) Applicants for a license as Second Mate who have **NOT** completed all of the required training and assessment for OICNW may be issued a license as Second Mate AGT, but will not be eligible for a corresponding STCW certificate as OICNW.
- (3) Applicants for Second Mate Oceans, who were issued a Third Mate's license after February 1, 2002, may be issued Second Mate Oceans, after presenting one year of sea service as Third Mate Oceans, AGT and having completed training for OICNW. Except for visual signaling, no further examination is required.
- (4) Applicants for an unlimited deck license, oceans or near coastal, original or raise in grade, must also pass a practical visual signaling (flashing light) exam in accordance with 46 CFR 10.401(h).
- (5) Courses approved for Celestial Navigation for 500/1600 Tons can **NOT** be used to satisfy this module for Second Mate.

EXAM STRUCTURE SHEET NO. 1 – 6	License Type: License Group: License Action: License Condition:	SECOND MATE ANY GROSS REGISTERED TONS RAISE IN GRADE NEAR COASTAL	EXAM CODE 12AR
NUMBER OF MODULES: Three (3)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
121XX – Deck & Nav General + Safety & Environmental Protection		70	70
124XX – Navigation Problems – Near Coastal		10	90

Notes:

- (1) Applicants who commenced examining for their Third Mate's, Near Coastal license prior to February 1, 2002 and have acquired the sea service as per 46 CFR 10.406 will need to be tested on the modules listed above for a raise in grade.
- (2) Applicants for a license as Second Mate who have **NOT** completed all of the required training and assessment for OICNW may be issued a license as Second Mate AGT, but will not be eligible for a corresponding STCW certificate as OICNW.
- (3) Applicants for Second Mate Near Coastal, who were issued a Third Mate's license after February 1, 2002, may be issued Second Mate Near Coastal, after presenting one year of sea service as Third Mate Near Coastal, AGT and having completed training for OICNW. Except for visual signaling, no further examination is required.
- (4) Applicants for an unlimited deck license, oceans or near coastal, original or raise in grade, must also pass a practical visual signaling (flashing light) exam in accordance with 46 CFR 10.401(h).

EXAM STRUCTURE SHEET NO. 1 – 7	License Type: License Group: License Action: License Condition:	CHIEF MATE ANY GROSS REGISTERED TONS RAISE IN GRADE OCEANS	EXAM CODE 15BR
NUMBER OF MODULES: Nine (9)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
151XX – Deck General – Part A		50	70
152XX – Deck General – Part B		50	70
153XX – Navigation General		70	70
154XX – Deck Safety & Environmental Protection		70	70
155XX – Stability		15	70
156XX – Navigation Problems – Chart plotting		10	90
157XX – Navigation Problems – Near Coastal		10	90
158XX – Navigation Problems – Oceans		15	80

Notes:

- (1) Each applicant for a Chief Mate Oceans license is to be administered the exam modules listed above.
- (2) Only applicants having completed an approved program of training and assessment of skills in the above listed subjects may take this exam.
- (3) Applicants for an unlimited deck license, oceans or near coastal, original or raise in grade, must also pass a practical visual signaling (flashing light) exam in accordance with 46 CFR 10.401(h).

EXAM STRUCTURE SHEET NO. 1 - 8	License Type: License Group: License Action: License Condition:	CHIEF MATE ANY GROSS REGISTERED TONS RAISE IN GRADE NEAR COASTAL	EXAM CODE 15BB
NUMBER OF MODULES: Eight (8)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
151XX – Deck General – Part A		50	70
152XX – Deck General – Part B		50	70
153XX – Navigation General		70	70
154XX – Deck Safety & Environmental Protection		70	70
155XX – Stability		15	70
156XX – Navigation Problems – Chart plotting		10	90
157XX – Navigation Problems – Near Coastal		10	90

Notes:

- (1) Each applicant for a Chief Mate Near Coastal license is to be administered the exam modules listed above.
- (2) Only applicants having completed an approved program of training and assessment of skills in the above listed subjects may take this exam.
- (3) Applicants for an unlimited deck license, oceans or near coastal, original or raise in grade, must also pass a practical visual signaling (flashing light) exam in accordance with 46 CFR 10.401(h).

EXAM STRUCTURE SHEET NO. 1 - 9	License Type: License Group: License Action: License Condition:	CHIEF MATE or MASTER ANY GROSS REGISTERED TONS INCREASE IN SCOPE FROM NEAR COASTAL TO - OCEANS	EXAM CODE 15BC
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
158XX – Navigation Problems – Oceans		15	80
150XX – Deck & Navigation General – Oceans		20	70

Note: An applicant who began their sea service or training before August 1, 1998 and received their near coastal chief mate AGT licenses prior to February 1, 2002 must have completed training and assessments of skills including Basic Safety Training, Proficiency in Survival Craft, Advanced Firefighting, ARPA, GMDSS, Bridge Resource Management and those assessments pertinent to celestial navigation.

EXAM STRUCTURE SHEET NO. 1 – 10	License Type: License Group: License Action: License Condition:	CHIEF MATE or MASTER ANY GROSS REGISTERED TONS RENEWAL OCEANS/NEAR COASTAL	EXAM CODE 15RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road ⁽¹⁾		30	90
109XX – Renewal Refresher Exercise ⁽¹⁾		50	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a three-month waiting period.

EXAM STRUCTURE SHEET NO. 1 – 11	License Type License Group: License Action: License Condition:	MASTER ANY GROSS REGISTERED TONS RAISE IN GRADE OCEANS	EXAM CODE 10BR
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
101XX – Deck & Nav General + Safety & Environmental Protection		70	70
102XX – Stability		15	70
103XX – Navigation Problems – Oceans		10	80

Notes:

- (1) Applicants who commenced examining for their Chief Mate, Oceans, AGT license prior to February 1, 2002 and are applying for Master, Oceans, AGT are to be administered this examination.
- (2) Applicants must have completed the training and assessment of skills prior to taking this exam
- (3) Applicants who commenced examining for Chief Mate, Oceans, AGT after February 1, 2002 and have satisfied the training requirements of the STCW Code Section A-II/2 and Table A-II/2 for Chief Mate Oceans AGT and have also satisfied the sea service requirements for Master may be issued their license as Master, Oceans, AGT. Except for visual signaling, no further examination is required.
- (4) Applicants for an unlimited deck license, oceans or near coastal, original or raise in grade, must also pass a practical visual signaling (flashing light) exam in accordance with 46 CFR 10.401(h).

EXAM STRUCTURE SHEET NO. 1 - 12	License Type License Group: License Action: License Condition:	MASTER ANY GROSS REGISTERED TONS RAISE IN GRADE NEAR COASTAL	EXAM CODE 10AR
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
101XX – Deck & Nav General + Safety & Environmental Protection		70	70
102XX – Stability		15	70
105XX – Navigation Problems – Near Coastal		10	90

Notes:

- (1) Applicants who commenced examining for their Chief Mate, Near Coastal, AGT license prior to February 1, 2002 and apply for Master, Near Coastal, AGT are to be administered this examination.
- (2) Applicants who commenced examining for Chief Mate, Near Coastal, AGT after February 1, 2002 and have satisfied their training requirements of the STCW Code Section A-II/2 and Table A-II/2 and have also satisfied the sea service requirements for Master may be issued their license as Master, Near Coastal, AGT. Except for visual signaling, no further examination is required.
- (3) Applicants for an unlimited deck license, oceans or near coastal, original or raise in grade, must also pass a practical visual signaling (flashing light) exam in accordance with 46 CFR 10.401(h).

VISUAL SIGNALING DEMONSTRATION

1. **Required.** Applicants for licenses authorizing service on ocean going and near coastal vessels of more than 200 gross registered tons are required to pass a practical visual signaling (flashing light) exam in accordance with 46 CFR 10.401
2. **Administration.** Administer this examination in accordance with the procedures set forth in 46 CFR 10.217.
3. **Equipment malfunction.** If any tape or equipment malfunctions are noted during the administration of the exam, contact NMC 2 for assistance. Replacement tapes can be provided.
4. **Equipment adjustment.** Experience has shown that adjustment of the volume control on the tape recorder can have a definite effect upon the quality of the coded signals. The best setting for the volume control should be determined prior to the exam and this setting used at all times during the exam to insure steady and uninterrupted transmission.
5. **Compromise.** Taped flashing light exams can be compromised. To minimize the effects:
 - a. Use all 30 taped tests at random. Avoid setting up to start with the same exam as a routine practice. Avoid repeating exams for the same applicant as a routine practice.
 - b. Avoid revealing the number of the test to be used. Set up the flashing light unit prior to the administration of the exam so that the tape has just passed the point where the number of the test is given, and then switch the device to the LIGHT position. By leaving the device in the LIGHT position after this point, the applicant will see only the light signals, when the tape is restarted.
6. **Scoring.** The text of the five-letter group message and the correct copying and decoding of a message using the International Code of Signals are graded to score the exam.
 - a. The text of each five-letter group message consists of five random five-letter groups for a total of 25 characters. Three points are given for each correct character for a possible total of 75 points.
 - b. The code group message consists of five coded groups that must be copied and decoded. Each correctly decoded group is worth five points for a total of 25 points.
 - c. Minimum acceptable score is 70%.
 - d. Time allowed demonstrating this proficiency is regulated by the preset transmission speed at six (6) words per minute.
7. **Equipment.** The flashing light test equipment consists of the following:
 - a. One (1) Califone cassette tape recorder
 - b. One (1) flashing light box assembly
 - c. Two (2) C-90 cassette tapes with 15 examinations recorded on each tape
8. **Operating Instructions.** Operating instructions are given in the Instruction Manual.

9. **Test Format.** Shown in the following figure. Each examination consists of two (2) sections which must be copied for score; a RANDOM FIVE- LETTER GROUP section and an H.O. 102 CODE GROUP section. Spoken instructions are not recorded with the taped examinations.

a. The RANDOM FIVE (5) LETTER GROUP section consists of:

Identity: DE followed by a four (4)-letter identity signal, sent once.

Text: Five (5) random, five (5)-letter groups, each of which is sent twice.

Ending: The signal AR indicates the end of the five (5)-letter groups.

b. The H. O. 102 CODE GROUP consists of:

Identity: DE followed by a four (4)-letter identity signal, sent once.

Code Indicator: YU: Indicates that code groups follow. Sent only once.

Text: Five (5) code groups, each of which is sent twice.

Ending: The signal AR indicates the end of the five (5) code groups.

10. **Test Procedure.**

- a. It is recommended that each Examiner become familiar with the equipment and the format used for each examination. Each examination should begin with complete instructions to the applicant. To ensure that each applicant understands the instructions copies of a sample message similar to the one that follows should be distributed. Any questions that arise should be answered completely prior to beginning the examination. Examiners are encouraged to allow applicants to take one or more complete tests, as time allows, for practice before actually copying for score.
- b. Each exam has been recorded at the minimum required rate, which are six (6) words per minute. Since each group is repeated twice, further allowances to an individual applicant or group of applicants will defeat the purpose of standardizing the exam for all applicants.
- c. All random letter groups and all code groups must be recorded on the applicant's answer sheet in the exact order as transmitted. Any group where the letters are misarranged will cause that group to be found in error.
- d. All exams are recorded in the TEST MESSAGE FORMAT found on the following page.
- e. Applicants are allowed to use scrap paper to record the "dots" and "dashes" during transmission.

TEST MESSAGE FORMAT

<u>MACHINE IN THE AUDIO SETTING</u>	
Examiner's instructions	EXAMINATION NUMBER 1 (2, 3, etc.)
Five (5) second interval	
Examiner's instructions	THE EXAMINATION WILL CONSIST OF A SAMPLE MESSAGE, FOLLOWED BY TWO SECTIONS WHICH WILL BE SCORED
Three (3) second interval	
Examiner's instructions	A STEADY LIGHT WILL INDICATE WHEN A TESTING SECTION HAS ENDED AND THAT THE CODE FLASHER MUST BE SHIFTED TO THE AUDIO POSITION. STUDENTS MUST NOTIFY THE INSTRUCTOR WHEN THIS OCCURS.
Three (3) second interval	
Examiner's instructions	A SAMPLE MESSAGE WILL BE SENT IN PLAIN LANGUAGE, EACH MESSAGE WILL BE SENT TWICE.
Three (3) second interval	
Examiner's instructions	I REPEAT, A SAMPLE MESSAGE WILL BE SENT IN PLAIN LANGUAGE, EACH MESSAGE WILL BE SENT TWICE.
Five (5) second interval	
Examiner's instructions	PLACE SWITCH IN THE LIGHT POSITION AT THIS TIME TO COMMENCE THE SAMPLE MESSAGE
Five (5) second interval (Switch setting to LIGHT)	
<u>MACHINE IN LIGHT SETTING</u>	
Flashing light	DE KIWI WHAT SHIP WHAT SHIP AR
Steady light	Cue. Five (5) second steady light (Switch setting to AUDIO)
Three (3) second interval	
<u>MACHINE IN AUDIO SETTING</u>	
Examiner's instructions	PART ONE OF THE SCORED EXAMINATION CONSISTS OF FIVE (5) GROUPS OF RANDOM LETTERS. EACH OF THE FIVE (5) GROUPS CONTAINS FIVE (5) LETTERS AND WILL BE SENT TWICE.
Three (3) second interval	
Examiner's instructions	I REPEAT, THE FOLLOWING MESSAGE CONSISTS OF FIVE (5) RANDOM FIVE (5)-LETTER GROUPS, EACH SENT TWICE.
Five (5) second interval	

Figure 1.1: Exam Tape Format

TEST MESSAGE FORMAT (continued)

Examiner's instructions	SWITCH TO THE LIGHT POSITION AT THIS TIME. STUDENTS PREPARE TO COPY CODE FOR SCORE.
	Seven (7) second interval (Switch setting to LIGHT)
	<u>MACHINE IN LIGHT SETTING</u>
Flashing light	DE KIWI ALTYO ALTYO CXUBM CXUBM SKVDR SKVDR FMQED FMQED XKBLO XKBLO AR
Steady light	Cue. Five (5) second steady light (Switch to AUDIO setting)
	<u>MACHINE IN AUDIO SETTING</u>
Examiner's instructions	PART TWO (2) WILL CONSIST OF FIVE (5) CODE GROUPS WHICH MUST BE LOOKED UP IN "H.O. 102". EACH GROUP WILL BE SENT TWICE.
	Three (3) second interval
Examiner's instructions	I REPEAT, THE FOLLOWING CODE GROUPS ARE FROM "H.O. 102". EACH GROUP WILL BE SENT TWICE.
	Five (5) second interval
Examiner's instructions	SWITCH TO THE LIGHT POSITION AT THIS TIME. STUDENTS PREPARE TO COPY CODE FOR SCORE.
	Seven (7) second interval (Switch to LIGHT setting)
	<u>MACHINE IN LIGHT SETTING</u>
Flashing light	DE KIWI YU AE1 AE1 BR3 BR3 DH1 DH1 FZ2 FZ2 OJ4 OJ4 AR
	Three (3) second interval
Steady light	Cue. Five (5) second steady light (Switch to AUDIO setting)
	Three (3) second interval
	<u>MACHINE IN AUDIO SETTING</u>
Examiner's instructions	END OF EXAMINATION 1 (2, 3, etc.)
	<u>NOTE: INSTRUCT APPLICANTS TO PUT DOWN PENS AND PENCILS. ANY FURTHER MARKING ON THEIR ANSWER SHEETS WILL BE CONSIDERED CHEATING.</u> (See Instruction 10)

EXAM FOOTAGE TABLE

EXAM #	FIVE(5)-LETTER GROUP MESSAGE	CODE GROUP MESSAGE
BEGIN TAPE 1, SIDE 1		
1	000 to 092	095 to 150
2	154 to 227	230 to 275
3	279 to 345	248 to 387
4	390 to 447	451 to 486
5	490 to 543	546 to 575
6	578 to 628	631 to 664
7	667 to 714	717 to 748
8	751 to 795	798 to 824
END OF TAPE 1M SIDE 1M SWITCH AND RESET COUNTER AT 000		
9	000 to 090	093 to 142
10	145 to 219	222 to 270
11	273 to 337	340 to 381
12	384 to 444	447 to 483
13	478 to 540	543 to 576
14	579 to 628	631 to 662
15	665 to 709	721 to 742
END OF TAPE 1, SIDE 2, SWITCH AND RESET COUNTER AT 000		
16	000 to 091	094 to 148
17	151 to 224	227 to 269
18	272 to 338	341 to 386
19	389 to 447	450 to 486
20	489 to 542	545 to 576
21	579 to 630	633 to 665
22	668 to 714	717 to 751
23	754 B to 800	803 to 832
END OF TAPE 2, SIDE 1, SWITCH AND RESET COUNTER AT 000		
24	000 to 093	096 to 147
25	150 to 226	229 to 274
26	277 to 343	347 to 389
27	392 to 450	453 to 487
28	490 to 543	546 to 583
29	586 to 635	638 to 671
30	674 to 722	725 to 751
END OF TAPE 2, SIDE 2		

Figure 1.2: Exam Tape Contents

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SECTION TWO

LIMITED DECK LICENSES

**For Licenses to Serve on Vessels of Not More Than
500 and Not More than 1,600 Gross Registered Tons**

— As —

MATE

Or

MASTER

— On —

OCEANS OR NEAR COASTAL WATERS

— Or —

For Limited or Unlimited Licenses

— On —

GREAT LAKES & INLAND WATERS

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EXAM STRUCTURE SHEET INDEX FOR LIMITED DECK LICENSES

ESS	License Action	License Condition	Page
Oceans or Near Coastal waters			
For licenses to serve on vessels of Not More Than 500 GRT:			
MATE			
2-1	Original Issue	Oceans	2-5
2-2	Original Issue	Near Coastal	2-6
For licenses to serve on vessels of Not More Than 1600 GRT:			
MATE			
2-3	Original Issue	Oceans	2-7
2-4	Original Issue	Near Coastal	2-8
2-5	Increase in Scope To	Oceans	2-9
2-6	Renewal	Oceans/Near Coastal	2-9
For licenses to serve on vessels of Not More Than 500 GRT:			
MASTER			
2-7	Raise in Grade	Oceans	2-10
2-8	Raise in Grade	Near Coastal	2-11
For licenses to serve on vessels of Not More Than 1600 GRT:			
MASTER			
2-9	Raise in Grade	Oceans	2-12
2-10	Raise in Grade	Near Coastal	2-13
2-11	Increase in Scope To	Oceans	2-14
2-12	Renewal	Oceans/Near Coastal	2-14

ESS	License Action	License Condition	Page
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Great Lakes & Inland Waters

For licenses to serve on vessels of 500 Gross Registered Tons and Not More Than 1,600 GRT as:

MATE

2-13	Original Issue	GL & I or INL	2-15
2-14	Increase in Scope	To-Great Lakes and Inland	2-16
2-15	Renewal	GL & I or INL	2-16

MASTER

2-16	Raise in Grade	GL & I or INL-Int'l & Inland Rules	2-17
2-17	Increase in Scope	To-Great Lakes and Inland	2-18
2-18	Renewal	GL & I or INL	2-18

For licenses to serve on vessels of More Than 1,600 Gross Registered Tons as:

MATE

2-19	Original Issue	GL & I or INL- International & Inland Rules	2-19
2-20	Increase in Scope	To-Great Lakes and Inland	2-20
2-21	Renewal	GL & I or INL	2-20

MASTER

2-22	Raise in Grade	GL & I or INL	2-21
2-23	Increase in Scope	To-Great Lakes and Inland	2-22
2-24	Renewal	GL & I or INL	2-22

PRACTICAL DEMONSTRATIONS

2-25	Visual Signaling Demonstration		2-23
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EXAM STRUCTURE SHEET NO. 2 -1	License Type: License Group: License Action: License Condition:	MATE - OICNW NOT MORE THAN 500 GRT ORIGINAL ISSUE OR RAISE IN GRADE OCEANS	EXAM CODE 21DR
NUMBER OF MODULES: Seven (7)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road ⁽³⁾		50	90
181XX – Deck General ⁽³⁾		70	70
182XX – Navigation General ⁽³⁾		70	70
183XX – Deck Safety & Environmental Protection ⁽³⁾		70	70
184XX – Navigation Problems – Chart Plotting ^{(3) (8)}		15	90
185XX – Navigation Problems – Near Coastal ⁽³⁾		10	90
186XX – Navigation Problems – Celestial ^{(3) (9)}		15	80

Notes:

- (1) Applicants for this license are required to have qualified as Able Seaman per 46 CFR 10.401. See Exam Structure Sheets 5-1 and 5-3.
- (2) Applicants holding a 500 GRT license who obtained their Mate 500 license after 02/01/02 by completing the above Mate – OICNW exam may apply for a third mate’s license after acquiring the sea service required by 46 CFR 10.402 and 10.407. No further testing is required.
- (3) Applicants holding a 500 GRT license who obtained their Mate 500 license before 02/01/02 and wish to apply for a third mate’s license after completing the required sea service must take the Third mate – OICNW exam.
- (4) Applicants holding a Mate, Oceans license and an STCW Certificate authorizing service on vessels of not more than 500 gross registered tons may increase the tonnage of their license to Mate, Oceans NMT 1600 GRT without further testing.
- (5) Applicants who do not provide documentation of having completed an approved program of training for Officer in Charge of a Navigational Watch, or required training and assessment and 3 years of approved sea service may have the scope of their license increased to authorize service on vessels of not more than 1600 gross registered tons restricted to service on the Great Lakes, inland waters and rivers without further examination.
- (6) Applicants raising the grade of their license from NMT 200 GRT for service on ocean routes must meet the requirements in note (1) and pass the above modules.
- (7) Applicants for an ocean or near coastal license greater than 200 GRT must also pass a practical visual signaling (flashing light) exam in accordance with STCW if they have not done so at least once previously.
- (8) Applicants may miss two (2) of the fifteen (15) questions in module 184XX (Chart Plotting) and pass.
- (9) Courses approved for Celestial Navigation for 500/1600 Tons can **NOT** be used to satisfy this module for Third Mate - OICNW or Second Mate.

EXAM STRUCTURE SHEET NO. 2 – 2	License Type: License Group: License Action: License Condition:	MATE - OICNW NOT MORE THAN 500 GRT ORIGINAL ISSUE OR RAISE IN GRADE NEAR COASTAL	EXAM CODE 21DF
NUMBER OF MODULES: Six (6)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road ⁽³⁾		50	90
180XX – Navigation General ⁽³⁾		70	70
181XX – Deck General ⁽³⁾		70	70
183XX – Deck Safety & Environmental Protection ⁽³⁾		70	70
184XX – Navigation Problems – Chart Plotting ⁽³⁾⁽⁸⁾		15	90
185XX – Navigation Problems – Near Coastal ⁽³⁾		10	90

Notes:

- (1) Applicants for this license are required to have qualified as Able Seaman per 46 CFR 10.401. See Exam Structure Sheets 5-1 and 5-3.
- (2) Applicants holding a 500 GRT license who obtained their Mate 500 license after 02/01/02 by completing the above Mate – OICNW exam may apply for a third mate’s license after acquiring the sea service required by 46 CFR 10.402 and 10.407. No further testing or assessments are required.
- (3) Applicants holding a 500 GRT license who obtained their Mate 500 license before 02/01/02 and wish to apply for a third mate’s license after completing the required sea service must take the Third mate – OICNW exam.
- (4) Applicants holding a Mate, Near Coastal license and an STCW Certificate authorizing service on vessels of not more than 500 gross registered tons may increase the tonnage of their license to Mate, Near Coastal NMT 1600 GRT without further testing.
- (5) Applicants who do not provide documentation of having completed an approved program of training for Officer in Charge of a Navigational Watch, or required training and assessment and 3-years of approved sea service may have the scope of their license increased to authorize service on vessels of not more than 1600 gross registered tons restricted to service on the Great Lakes, inland waters and rivers without further examination.
- (6) Applicants raising the grade of their license from NMT 200 GRT for service on ocean routes must meet the requirements in note (1) and pass the above modules.
- (7) Applicants for an ocean or near coastal license greater than 200 GRT must also pass a practical signaling (flashing light) exam if they have not done so at least once previously in accordance with STCW.
- (8) Applicants may miss two (2) of the fifteen (15) questions in module 184XX (Chart Plotting) and pass.

EXAM STRUCTURE SHEET NO. 2 -3	License Type: License Group: License Action: License Condition:	MATE - OICNW NOT MORE THAN 1600 GRT ORIGINAL ISSUE OCEANS	EXAM CODE 19DR
NUMBER OF MODULES: Seven (7)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road ⁽³⁾		50	90
191XX – Deck General ⁽³⁾		70	70
192XX – Navigation General ⁽³⁾		70	70
193XX – Deck Safety & Environmental Protection ⁽³⁾		70	70
194XX – Navigation Problems – Chart Plotting ⁽³⁾⁽⁸⁾		15	90
195XX – Navigation Problems – Near Coastal ⁽³⁾		10	90
196XX – Navigation Problems – Celestial ^{(3) (9)}		15	80

Notes:

- (1) Applicants for this license are required to have qualified as Able Seaman per 46 CFR 10.401. See Exam Structure Sheets 5-1 and 5-3.
- (2) Applicants holding a 1600 GRT license who obtained their Mate 1600 license after 02/01/02 by completing the above Mate – OICNW exam may apply for a third mate’s license after acquiring the sea service required by 46 CFR 10.402 and 10.407. No further testing or assessments are required.
- (3) Applicants holding a 1600 GRT license who obtained their Mate 1600 license before 02/01/02 and wish to apply for a third mate’s license after completing the required sea service must take the Third mate – OICNW exam.
- (4) Applicants holding a Mate, Oceans license and an STCW Certificate authorizing service on vessels of not more than 500 gross registered tons may increase the tonnage of their license to Mate, Oceans NMT 1600 GRT without further testing.
- (5) Applicants who do not provide documentation of having completed an approved program of training for Officer in Charge of a Navigational Watch, or required training and assessment and 3 years of approved sea service may have the scope of their license increased to authorize service on vessels of not more than 1600 gross registered tons restricted to service on the Great Lakes, inland waters and rivers without further examination.
- (6) Applicants raising the grade of their license from NMT 200 GRT for service on ocean routes must meet the requirements in note (1) and pass the above modules.
- (7) Applicants for an ocean or near coastal license greater than 200 GRT must also pass a practical signaling (flashing light) exam if they have not done so at least once previously in accordance with STCW.
- (8) Applicants may miss two (2) of the fifteen (15) questions in module 194XX (Chart Plotting) and pass.
- (9) Courses approved for Celestial Navigation for 500/1600 Tons can **NOT** be used to satisfy this module for Third Mate - OICNW or Second Mate.

EXAM STRUCTURE SHEET NO. 2 –4	License Type: License Group: License Action: License Condition:	MATE - OICNW NOT MORE THAN 1600 GRT ORIGINAL ISSUE NEAR COASTAL	EXAM CODE 19DF
NUMBER OF MODULES: Six (6)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road ⁽³⁾		50	90
190XX – Navigation General ⁽³⁾		70	70
191XX – Deck General ⁽³⁾		70	70
193XX – Deck Safety & Environmental Protection ⁽³⁾		70	70
194XX – Navigation Problems – Chart Plotting ⁽³⁾⁽⁸⁾		15	90
195XX – Navigation Problems – Near Coastal ⁽³⁾		10	90

Notes:

- (1) Applicants for this license are required to have qualified as Able Seaman per 46 CFR 10.401. See Exam Structure Sheets 5-1 and 5-3.
- (2) Applicants holding a 1600 GRT license who obtained their Mate 1600 license after 02/01/02 by completing the above Mate – OICNW exam may apply for a third mate’s license after acquiring the sea service required by 46 CFR 10.402 and 10.407. No further testing or assessments are required.
- (3) Applicants holding a 1600 GRT license who obtained their Mate 1600 license before 02/01/02 and wish to apply for a third mate’s license after completing the required sea service must take the Third mate – OICNW exam.
- (4) Applicants holding a Mate, Near Coastal license and an STCW Certificate authorizing service on vessels of not more than 500 gross registered tons may increase the tonnage of their license to Mate, Near Coastal NMT 1600 GRT without further testing.
- (5) Applicants who do not provide documentation of having completed an approved program of training for Officer in Charge of a Navigational Watch, or required training and assessment and 3-years of approved sea service may have the scope of their license increased to authorize service on vessels of not more than 1600 gross registered tons restricted to service on the Great Lakes, inland waters and rivers without further examination.
- (6) Applicants raising the grade of their license from NMT 200 GRT for service on ocean routes must meet the requirements in note (1) and pass the above modules.
- (7) Applicants for an ocean or near coastal license greater than 200 GRT must also pass a practical signaling (flashing light) exam if they have not done so at least once previously in accordance with STCW.
- (8) Applicants may miss two (2) of the fifteen (15) questions in module 194XX (Chart Plotting) and pass.

EXAM STRUCTURE SHEET NO. 2 – 5	License Type: License Group: License Action: License Condition:	MATE – OICNW NOT MORE THAN 500/1600 GRT INCREASE IN SCOPE FROM NEAR COASTAL TO – OCEANS	EXAM CODE 21DI
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
186XX – Navigation Problems – Celestial		15	80
187XX – Navigation General - Oceans		20	70

Notes:

- (1) Applicant must also have completed the assessments pertinent to Oceans navigation.
- (2) Applicant must take the Rules of the Road module if not successfully completed within the past year.

EXAM STRUCTURE SHEET NO. 2 – 6	License Type: License Group: License Action: License Condition:	MATE – OICNW NOT MORE THAN 500/1600 GRT RENEWAL OCEANS/NEAR COASTAL	EXAM CODE 21RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road ⁽¹⁾		30	90
129XX – Renewal Exercise ⁽¹⁾		20	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.
- (5) Applicants must have completed the applicable STCW requirements prior to renewing this license.

EXAM STRUCTURE SHEET NO. 2 – 7	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 500 GRT RAISE IN GRADE OCEANS	EXAM CODE 20BR
NUMBER OF MODULES: Seven (7)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
201XX – Deck General		50	70
202XX – Navigation General		50	70
203XX – Deck Safety & Environmental Protection		50	70
204XX – Navigation Problems – Chart Plotting		10	90
205XX – Navigation Problems – Near Coastal		10	90
206XX – Navigation Problems – Celestial ⁽⁷⁾		15	80

Notes:

- (1) Applicants for this license are required to have qualified as Able Seaman per 46 CFR 10.401. See Exam Structure Sheets 5-1 and 5-3.
- (2) Applicants must have completed the applicable STCW requirements prior to renewing this license.
- (3) Applicants holding a Master, Oceans license authorizing service on vessels of not more than 500 gross registered tons may have the scope of their license increased to authorize service on vessels of not more than 1,600 gross registered tons based on sea service alone. No further examination is required.
- (4) Applicants desiring an unlimited license must meet the sea time requirements, complete the training and assessments and pass the Third Mate – OICNW exam in order to be issued a Third Mate’s license.
- (5) Applicants who are unable or unwilling to provide the documentation in (2) above may have the scope of their license increased to authorize service on vessels of not more than 1600 gross registered tons restricted to service on the Great Lakes, Inland Waters and Rivers without further examination.
- (6) Applicants for a raise in grade of a limited license are not required to take a practical signaling (flashing light) exam provided they have previously successfully completed the flashing light exam.
- (7) Courses approved for Celestial Navigation for 500/1600 Tons can **NOT** be used to satisfy this module for Third Mate - OICNW or Second Mate.

EXAM STRUCTURE SHEET NO. 2 – 8	License Type: MASTER License Group: NOT MORE THAN 500 GRT License Action: RAISE IN GRADE License Condition: NEAR COASTAL	EXAM CODE 20AR
NUMBER OF MODULES: Six (6)	NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road	50	90
200XX – Navigation General	50	70
201XX – Deck General	50	70
203XX – Deck Safety & Environmental Protection	50	70
204XX – Navigation Problems – Chart Plotting	10	90
205XX – Navigation Problems – Near Coastal	10	90

Notes:

- (1) Applicants for this license are required to have qualified as Able Seaman per 46 CFR 10.401. See Exam Structure Sheets 5-1 and 5-3.
- (2) Applicants must have completed the applicable STCW requirements prior to renewing this license.
- (3) Applicants holding a Master, Near Coastal license authorizing service on vessels of not more than 500 gross registered tons may have the scope of their license increased to authorize service on vessels of not more than 1,600 gross registered tons based on sea service alone. No further examination is required.
- (4) Applicants desiring an unlimited license must meet the sea time requirements, complete the training and assessments and pass the Third Mate – OICNW exam in order to be issued a Third Mate’s license.
- (5) Applicants who are unable or unwilling to provide the documentation in (2) above may have the scope of their license increased to authorize service on vessels of not more than 1600 gross registered tons restricted to service on the Great Lakes, Inland Waters and Rivers without further examination.
- (6) Applicants for a raise in grade of a limited license are not required to take a practical signaling (flashing light) exam provided they have previously successfully completed the flashing light exam.

EXAM STRUCTURE SHEET NO. 2 – 9	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 1600 GRT RAISE IN GRADE OCEANS	EXAM CODE 21BR
NUMBER OF MODULES: Seven (7)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
211XX – Deck General		50	70
212XX – Navigation General		50	70
213XX – Deck Safety & Environmental Protection		50	70
214XX – Navigation Problems – Chart Plotting		10	90
215XX – Navigation Problems – Near Coastal		10	90
216XX – Navigation Problems – Celestial ⁽⁹⁾		15	80

Notes:

- (1) Applicants successfully obtaining their Master 1600 license are eligible for an endorsement “Any unlicensed rating in the deck department, including Able Seaman” without further testing for Able Seaman. Lifeboatman qualification is still required.
- (2) Applicants must have completed the applicable STCW requirements prior to renewing this license.
- (3) Applicants holding a Master, Oceans license authorizing service on vessels of not more than 500 gross registered tons may have the scope of their license increased to authorize service on vessels of not more than 1,600 gross registered tons based on sea service alone. No further examination is required.
- (4) Applicants desiring an unlimited license must meet the sea time requirements, complete the training and assessments and pass the Third Mate – OICNW exam in order to be issued a Third Mate’s license.
- (5) Applicants who are unable or unwilling to provide the documentation in (2) above may have the scope of their license increased to authorize service on vessels of not more than 1600 gross registered tons restricted to service on the Great Lakes, Inland Waters and Rivers without further examination.
- (6) Applicants for a raise in grade of a limited license are not required to take a practical signaling (flashing light) exam provided they have previously successfully completed the flashing light exam.
- (7) Applicants holding a license as Second Mate, Oceans, AGT who desire a Master 1600 Oceans license should be administered module 011X1 (minimum score 70%) per 46 CFR 10.412(b).
- (8) Applicants holding a license as Chief Mate, Oceans issued after 02/01/2002 do not need further examination. Applicants holding a license as Chief Mate, Oceans issued before 02/01/2002 should be administered module 011X1.
- (9) Courses approved for Celestial Navigation for 500/1600 Tons can **NOT** be used to satisfy this module for Third Mate - OICNW or Second Mate.

EXAM STRUCTURE SHEET NO. 2 - 10	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 1600 GRT RAISE IN GRADE NEAR COASTAL	EXAM CODE 21AR
NUMBER OF MODULES: Six (6)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
210XX – Navigation General		50	70
211XX – Deck General		50	70
213XX – Deck Safety & Environmental Protection		50	70
214XX – Navigation Problems – Chart Plotting		10	90
215XX – Navigation Problems – Near Coastal		10	90

Notes:

- (1) Applicants successfully obtaining their Master 1600 license are eligible for an endorsement “Any unlicensed rating in the deck department, including Able Seaman” without further testing for Able Seaman. Lifeboatman qualification is still required.
- (2) Applicants must have completed the applicable STCW requirements prior to renewing this license.
- (3) Applicants holding a Master, Near Coastal license authorizing service on vessels of not more than 500 gross registered tons may have the scope of their license increased to authorize service on vessels of not more than 1,600 gross registered tons based on sea service alone. No further examination is required.
- (4) Applicants desiring an unlimited license must meet the sea time requirements, complete the training and assessments and pass the Third Mate – OICNW exam in order to be issued a Third Mate’s license.
- (5) Applicants who are unable or unwilling to provide the documentation in (2) above may have the scope of their license increased to authorize service on vessels of not more than 1600 gross registered tons restricted to service on the Great Lakes, Inland Waters and Rivers without further examination.
- (6) Applicants for a raise in grade of a limited license are not required to take a practical signaling (flashing light) exam provided they have previously successfully completed the flashing light exam.
- (7) Applicants holding a license as Second Mate, Near Coastal, AGT who desire a Master 1600 Oceans license should be administered module 011X1 (minimum score 70%) per 46 CFR 10.412(b).
- (8) Applicants holding a license as Chief Mate, Near Coastal, issued after 02/01/2002 do not need further examination. Applicants holding a license as Chief Mate, Near Coastal issued before 02/01/2002 should be administered module 011X1.

EXAM STRUCTURE SHEET NO. 2 – 11	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 500/1600 GRT INCREASE IN SCOPE FROM NEAR COASTAL TO – OCEANS	EXAM CODE 20DI
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
206XX – Navigation Problems – Oceans		15	80
207XX – Navigation General – Oceans		20	70

Notes:

- (1) Applicants for this license are required to qualify as Able Seaman per 46 CFR 10.401. See Exam Structure Sheets 5-1 or 5-3.
- (2) An applicant must take the Rules of the Road module if not successfully completed within the past year.

EXAM STRUCTURE SHEET NO. 2 – 12	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 500/1600 GRT RENEWAL OCEANS/NEAR COASTAL	EXAM CODE 20RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road ⁽¹⁾		30	90
209XX – Renewal Exercise ⁽¹⁾		30	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.
- (5) Applicants must have completed the applicable STCW requirements prior to renewing this license.

EXAM STRUCTURE SHEET NO. 2 – 13	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 500/1600 GRT ORIGINAL ISSUE OR RAISE IN GRADE GL & I or INLAND	EXAM CODE 26AR
NUMBER OF MODULES: Five (5)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road ⁽³⁾		50	90
072X1 – Navigation General		20	70
073XX – Navigation General + Chart Navigation		20	90
261XX – Deck General + Deck Safety & Environmental Protection		60	70
267XX – Great Lakes Topics ⁽¹⁾		25	70

Notes:

- (1) Applicants who do not pass the Great Lakes Topics (267XX) module may be licensed for service on Inland routes only.
- (2) Applicants holding a Mate, Great Lakes & Inland or Inland license authorizing service on vessels of not more than 500 gross registered tons may have the scope of their license increased to authorize service on vessels of not more than 1,600 gross registered tons based on service time alone. No further examination is required per 46 CFR 10.910.
- (3) Applicants for Mate 500/1600 – Great Lakes & Inland may choose to take the Rules of the Road – Inland Only module (066XX) and have a COLREGS limitation placed on their license.

EXAM STRUCTURE SHEET NO. 2 – 14	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 500/1600 GRT INCREASE IN SCOPE FROM INLAND TO – GREAT LAKES AND INLAND	EXAM CODE 26AB
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
267XX – Great Lakes Topics		25	70

Notes: none

EXAM STRUCTURE SHEET NO. 2 – 15	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 500/1600 GRT RENEWAL GL & I or INLAND	EXAM CODE 26RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road – International & Inland ⁽¹⁾		30	90
259XX – Renewal Exercise ⁽¹⁾		30	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.

EXAM STRUCTURE SHEET NO. 2 – 16	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 500/1600 GRT ORIGINAL ISSUE OR RAISE IN GRADE GL & I or INLAND	EXAM CODE 25AR
NUMBER OF MODULES: Five (5)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road ⁽⁴⁾		50	90
072X1 – Navigation General		20	70
073XX – Navigation General + Chart Navigation		20	90
251XX – Deck General + Deck Safety & Environmental Protection		60	70
257XX – Great Lakes Topics ⁽¹⁾		25	70

Notes:

- (1) Applicants who do not pass the Great Lakes Topics (257XX) module may be licensed for service on Inland routes only.
- (2) Applicants holding a Master Great Lakes & Inland or Inland license authorizing service on vessels of not more than 500 gross registered tons may have the scope of their license increased to authorize service on vessels of not more than 1,600 gross registered tons based on service time alone. No further examination is required.
- (3) Applicants raising grade from Master of Towing Vessels should be administered a professional examination consisting of modules 054XX or 066XX, 251XX and 257XX, if applicable.
- (4) Applicants for Master 500/1600 – Great Lakes & Inland may choose to take the Rules of the Road – Inland Only module (066XX) and have a COLREGS limitation placed on their license.

EXAM STRUCTURE SHEET NO. 2 – 17	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 500/1600 GRT INCREASE IN SCOPE FROM INLAND TO – GREAT LAKES AND INLAND	EXAM CODE 25CR
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
257XX – Great Lakes Topics		25	70

Notes: none

EXAM STRUCTURE SHEET NO. 2 – 18	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 500/1600 GRT RENEWAL GL & I or INLAND	EXAM CODE 25RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road – International & Inland ⁽¹⁾		30	90
259XX – Renewal Exercise ⁽¹⁾		30	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.

EXAM STRUCTURE SHEET NO. 2 – 19	License Type: License Group: License Action: License Condition:	MATE ANY GROSS REGISTERED TONS ORIGINAL ISSUE OR RAISE IN GRADE GL & I or INLAND	EXAM CODE 24AR
NUMBER OF MODULES: Six (6)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road Topics ⁽²⁾		50	90
072X1 – Navigation General		20	70
073XX – Navigation General + Chart Navigation		20	90
241XX – Deck General + Navigation General		70	70
245XX – Deck Safety & Environmental Protection		50	70
247XX – Great Lakes Topics ⁽¹⁾		25	70

Notes:

- (1) Applicants who do not pass the Great Lakes Topics (247XX) module may be licensed for service on Inland routes only.
- (2) Applicants for Mate AGT – Great Lakes & Inland may choose to take the Rules of the Road – Inland Only module (066XX) and have a COLREGS limitation placed on their license.

EXAM STRUCTURE SHEET NO. 2 – 20	License Type: License Group: License Action: License Condition:	MATE ANY GROSS REGISTERED TONS INCREASE IN SCOPE FROM INLAND TO – GREAT LAKES AND INLAND	EXAM CODE 24BI
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
247XX – Great Lakes Topics		25	70

Note: Applicants must also complete the Rules of the Road module if they have not completed it within the preceding twelve months.

EXAM STRUCTURE SHEET NO. 2 – 21	License Type: License Group: License Action: License Condition:	MATE ANY GROSS REGISTERED TONS RENEWAL GL & I or INLAND	EXAM CODE 24RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road – International & Inland ⁽¹⁾		30	90
249XX – Renewal Exercise ⁽¹⁾		40	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.

EXAM STRUCTURE SHEET NO. 2 – 22	License Type: License Group: License Action: License Condition:	MASTER ANY GROSS REGISTERED TONS ORIGINAL ISSUE OR RAISE IN GRADE GL & I or INLAND	EXAM CODE 23AR
NUMBER OF MODULES: Six (6)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road ⁽²⁾		50	90
072X1 – Navigation General		20	70
073XX – Navigation General + Chart Navigation		20	90
231XX – Deck General + Navigation General		70	70
235XX – Deck Safety & Environmental Protection		50	70
237XX – Great Lakes Topics ⁽¹⁾		25	70

Notes:

- (1) Applicants who do not pass the Great Lakes Topics module may be licensed for Service on Inland routes only.
- (2) Applicants for Master AGT – Great Lakes & Inland may choose to take the Rules of the Road – Inland Only module (066XX) and have a COLREGS limitation placed on their license.

EXAM STRUCTURE SHEET NO. 2 – 23	License Type: License Group: License Action: License Condition:	MASTER ANY GROSS REGISTERED TONS INCREASE IN SCOPE FROM INLAND TO – GREAT LAKES AND INLAND	EXAM CODE 23AI
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
237XX – Great Lakes Topics		25	70

Notes: none

EXAM STRUCTURE SHEET NO. 2 – 24	License Type: License Group: License Action: License Condition:	MASTER ANY GROSS REGISTERED TONS RENEWAL GL & I or INLAND	EXAM CODE 23RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road – International & Inland ⁽¹⁾		30	90
249XX – Renewal Exercise ⁽¹⁾		40	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.

**VISUAL SIGNALING
DEMONSTRATION**

11. **Required.** Applicants for licenses authorizing service on ocean going and near coastal vessels of more than 200 gross registered tons are required to pass a practical signaling (flashing light) exam if they have not done so at least once previously in accordance with the STCW code.
12. **Administration.** Administer this examination in accordance with the procedures set forth in 46 CFR 10.217.
13. **Equipment malfunction.** If any tape or equipment malfunctions should be noted during the administration of the exam, contact NMC 2 for assistance. Replacement tapes can be provided.
14. **Equipment adjustment.** Experience has shown that adjustment of the volume control on the tape recorder can have a definite effect upon the quality of the coded signals. The best setting for the volume control should be determined prior to the exam and this setting used at all times during the exam to insure steady and uninterrupted transmission.
15. **Compromise.** Taped flashing light exams can be compromised. To minimize the effects:
 - c. Use all 30 taped tests at random. Avoid setting up to start with the same exam as a routine practice. Avoid repeating exams for the same applicant as a routine practice.
 - d. Avoid revealing the number of the test to be used. Set up the flashing light unit prior to the administration of the exam so that the tape has just passed the point where the number of the test is given, and then switch the device to the LIGHT position. By leaving the device in the LIGHT position after this point, the applicant will see only the light signals, when the tape is restarted.
16. **Scoring.** The text of the five-letter group message and the correct copying and decoding of a message using the International Code of Signals are graded to score the exam.
 - e. The text of each five-letter group message consists of five random five-letter groups for a total of 25 characters. Three points are given for each correct character for a possible total of 75 points.
 - f. The code group message consists of five coded groups that must be copied and decoded. Each correctly decoded group is worth five points for a total of 25 points.
 - g. Minimum acceptable score is 70%.
 - h. Time allowed demonstrating this proficiency is regulated by the preset transmission speed at six (6) words per minute.
17. **Equipment.** The flashing light test equipment consists of the following:
 - d. One (01) Califone cassette tape recorder
 - e. One (01) flashing light box assembly
 - f. Two (02) C-90 cassette tapes with 15 examinations recorded on each tape
18. **Operating Instructions.** Operating instructions are given in the Instruction Manual.

19. **Test Format.** Shown in the following figure. Each examination consists of 2 sections which must be copied for score; a RANDOM FIVE- LETTER GROUP section and an H.O. 102 CODE GROUP section. Spoken instructions are not recorded with the taped examinations.

b. The RANDOM FIVE-(5) LETTER GROUP section consists of:

Identity: DE followed by a four- (4) letter identity signal, sent once.

Text: Five (5) random, five- (5) letter groups, each of which is sent twice.

Ending: The signal AR indicates the end of the five- (5) letter groups.

f. The H. O. 102 CODE GROUP consists of:

Identity: DE followed by a four- (4) letter identity signal, sent once.

Code Indicator: YU: Indicates that a Code Group follows. Sent only once.

Text: Five (5) code groups, each of which is sent twice.

Ending: The signal AR indicates the end of the five 5-letter groups.

20. **Test Procedure.**

- a. It is recommended that each Examiner become familiar with the equipment and the format used for each examination. Each examination should begin with complete instructions to the applicant. To ensure that each applicant understands the instructions copies of a sample message similar to the one that follows should be distributed. Any questions that arise should be answered completely prior to beginning the examination. Examiners are encouraged to allow applicants to take one or more complete tests, as time allows, for practice before actually copying for score.
- b. Each exam has been recorded at the minimum required rate, which are six (6) words per minute. Since each group is repeated twice, further allowances to an individual applicant or group of applicants will defeat the purpose of standardizing the exam for all applicants.
- g. All random letter groups and all code groups must be recorded on the applicants answer sheet in the exact order as transmitted. Any group where the letters are misarranged will cause that group to be found in error.
- h. All exams are recorded in the TEST MESSAGE FORMAT found on the following page.
- i. Applicants are allowed to use scrap paper to record the “dots” and “dashes” during transmission.

TEST MESSAGE FORMAT

<u>MACHINE IN THE AUDIO SETTING</u>	
Examiner's instructions	EXAMINATION NUMBER 1 (2, 3, etc.)
Five (5) second interval	
Examiner's instructions	THE EXAMINATION WILL CONSIST OF A SAMPLE MESSAGE, FOLLOWED BY TWO SECTIONS WHICH WILL BE SCORED
Three (3) second interval	
Examiner's instructions	A STEADY LIGHT WILL INDICATE WHEN A TESTING SECTION HAS ENDED AND THAT THE CODE FLASHER MUST BE SHIFTED TO THE AUDIO POSITION. STUDENTS MUST NOTIFY THE INSTRUCTOR WHEN THIS OCCURS.
Three (3) second interval	
Examiner's instructions	A SAMPLE MESSAGE WILL BE SENT IN PLAIN LANGUAGE, EACH MESSAGE WILL BE SENT TWICE.
Three (3) second interval	
Examiner's instructions	I REPEAT, A SAMPLE MESSAGE WILL BE SENT IN PLAIN LANGUAGE, EACH MESSAGE WILL BE SENT TWICE.
Five (5) second interval	
Examiner's instructions	PLACE SWITCH IN THE LIGHT POSITION AT THIS TIME TO COMMENCE THE SAMPLE MESSAGE
Five (5) second interval (Switch setting to LIGHT)	
<u>MACHINE IN LIGHT SETTING</u>	
Flashing light	DE KIWI WHAT SHIP WHAT SHIP AR
Steady light	Cue. Five (5) second steady light (Switch setting to AUDIO)
Three (3) second interval	
<u>MACHINE IN AUDIO SETTING</u>	
Examiner's instructions	PART ONE OF THE SCORED EXAMINATION CONSISTS OF A RANDOM FIVE (5) LETTER GROUP MESSAGE. EACH OF THE FIVE (5) GROUPS WILL BE SENT TWICE
Three (3) second interval	
Examiner's instructions	I REPEAT, THE FOLLOWING MESSAGE CONSISTS OF FIVE (5) RANDOM FIVE (5)-LETTER GROUPS, EACH SENT TWICE.
Five (5) second interval	

Figure 1.1: Exam Tape Format

TEST MESSAGE FORMAT (continued)

Examiner's instructions	SWITCH TO THE LIGHT POSITION AT THIS TIME. STUDENTS PREPARE TO COPY CODE FOR SCORE.
	Seven (7) second interval (Switch setting to LIGHT)
<u>MACHINE IN LIGHT SETTING</u>	
Flashing light	DE KIWI ALTYO ALTYO CXUBM CXUBM SKVDR SKVDR FMQED FMQED XKBLO XKBLO AR
Steady light	Cue. Five (5) second steady light (Switch to AUDIO setting)
<u>MACHINE IN AUDIO SETTING</u>	
Examiner's instructions	PART TWO (2) WILL CONSIST OF CODE GROUPS WHICH MUST BE LOOKED UP IN H. O. 102, EACH GROUP WILL BE SENT TWICE.
	Three (3) second interval
Examiner's instructions	I REPEAT, THE FOLLOWING CODE GROUPS ARE FROM H. O. 102, EACH GROUP WILL BE SENT TWICE.
	Five (5) second interval
Examiner's instructions	SWITCH TO THE LIGHT POSITION AT THIS TIME. STUDENTS PREPARE TO COPY CODE FOR SCORE.
	Seven (7) second interval (Switch to LIGHT setting)
<u>MACHINE IN LIGHT SETTING</u>	
Flashing light	DE KIWI YU AE1 AE1 BR3 BR3 DH1 DH1 FZ2 FZ2 OJ4 OJ4 AR
	Three (3) second interval
Steady light	Cue. Five (5) second steady light (Switch to AUDIO setting)
	Three (3) second interval
<u>MACHINE IN AUDIO SETTING</u>	
Examiner's instructions	END OF EXAMINATION 1 (2, 3, etc.)
	<u>NOTE: INSTRUCT APPLICANTS TO PUT DOWN PENS AND PENCILS. ANY FURTHER MARKING ON THEIR ANSWER SHEETS WILL BE CONSIDERED CHEATING.</u> (See Instruction 10)

EXAM FOOTAGE TABLE

EXAM #	FIVE(5)-LETTER GROUP MESSAGE	CODE GROUP MESSAGE
BEGIN TAPE 1, SIDE 1		
1	000 to 092	095 to 150
2	154 to 227	230 to 275
3	279 to 345	248 to 387
4	390 to 447	451 to 486
5	490 to 543	546 to 575
6	578 to 628	631 to 664
7	667 to 714	717 to 748
8	751 to 795	798 to 824
END OF TAPE 1M SIDE 1M SWITCH AND RESET COUNTER AT 000		
9	000 to 090	093 to 142
10	145 to 219	222 to 270
11	273 to 337	340 to 381
12	384 to 444	447 to 483
13	478 to 540	543 to 576
14	579 to 628	631 to 662
15	665 to 709	721 to 742
END OF TAPE 1, SIDE 2, SWITCH AND RESET COUNTER AT 000		
16	000 to 091	094 to 148
17	151 to 224	227 to 269
18	272 to 338	341 to 386
19	389 to 447	450 to 486
20	489 to 542	545 to 576
21	579 to 630	633 to 665
22	668 to 714	717 to 751
23	754 B to 800	803 to 832
END OF TAPE 2, SIDE 1, SWITCH AND RESET COUNTER AT 000		
24	000 to 093	096 to 147
25	150 to 226	229 to 274
26	277 to 343	347 to 389
27	392 to 450	453 to 487
28	490 to 543	546 to 583
29	586 to 635	638 to 671
30	674 to 722	725 to 751
END OF TAPE 2, SIDE 2		

Figure 1.2: Exam Tape Contents

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SECTION THREE

LIMITED DECK LICENSES

For Licenses to Serve on Vessels of Limited Tonnages

—As —

OPERATOR OF UNINSPECTED PASSENGER VESSELS

APPRENTICE MATE (STEERSMAN) OF TOWING VESSELS

MATE (PILOT) OF TOWING VESSELS

MASTER OF TOWING VESSELS

FIRST CLASS PILOT

MATE

MASTER

— On —

INSPECTED & UNINSPECTED VESSELS

— Including —

TOWING VESSELS

OFFSHORE SUPPLY VESSELS

FISHING INDUSTRY VESSELS

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EXAM STRUCTURE SHEET INDEX FOR LIMITED DECK LICENSES

ESS	License Action	License Condition	Page
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Rivers, Western Rivers & Rivers other than Western Rivers

For licenses to serve on vessels of Not More Than 200 Gross Registered Tons as:

MATE

3-1	OI or RIG	Rivers	3-7
3-2	OI or RIG	Western Rivers	3-7
3-3	OI or RIG	Rivers other than Western Rivers	3-8
3-4	Renewal	Rivers/Western Rivers/Rivers Other Than Western Rivers	3-8

MASTER

3-5	OI or RIG	Rivers	3-9
3-6	OI or RIG	Western Rivers	3-9
3-7	OI or RIG	Rivers other than Western Rivers	3-10
3-8	Renewal	Rivers/Western Rivers/Rivers Other Than Western Rivers	3-10

For licenses to serve on vessels of NMT 500/1600/Any Gross Registered Tons as:

MATE

3-9	OI or RIG	Rivers	3-11
3-10	OI or RIG	Western Rivers	3-11
3-11	OI or RIG	Rivers other than Western Rivers	3-12
3-12	Renewal	Rivers/Western Rivers/Rivers Other Than Western Rivers	3-12

MASTER

3-13	OI or RIG	Rivers	3-13
3-14	OI or RIG	Western Rivers	3-13
3-15	OI or RIG	Rivers other than Western Rivers	3-14
3-16	Renewal	Rivers/Western Rivers/Rivers Other Than Western Rivers	3-14

Great Lakes & Inland Waters

For licenses to serve on vessels from 25 to 100 Gross Registered Tons as:

MATE

3-17	OI or RIG	GL & I or INL-Int'l & Inland Rules	3-15
3-18	OI or RIG	GL & I or INL-Inland Rules Only	3-15
3-19	Increase in Scope	To-Near Coastal	3-16
3-20	Increase in Scope	To-not more than 200 GRT	3-16
3-23	Increase in Scope	To-Int'l & Inland Rules	3-18
3-25	Renewal	GL & I or INL	3-18

MASTER

3-21	OI or RIG	GL & I or INL-Int'l & Inland Rules	3-17
3-22	OI or RIG	GL & I or INL-Inland Rules Only	3-17
3-19	Increase in Scope	To-Near Coastal	3-16
3-23	Increase in Scope	To-Int'l & Inland Rules	3-18
3-24	Increase in Scope	To-not more than 200 GRT	3-18
3-25	Renewal	GL & I or INL	3-18

Great Lakes & Inland Waters

For licenses to serve on vessels of Not More Than 200 Gross Registered Tons as:

MATE

3-26	OI or RIG	GL & I or INL-Int'l & Inland Rules	3-19
3-27	OI or RIG	GL & I or INL-Inland Rules Only	3-19
3-30	Increase in Scope	To-Near Coastal	3-21
3-31	Renewal	GL & I or INL	3-21

MASTER

3-28	OI or RIG	GL & I or INL-Int'l & Inland Rules	3-20
3-29	OI or RIG	GL & I or INL-Inland Rules Only	3-20
3-30	Increase in Scope	To-Near Coastal	3-21
3-31	Renewal	GL & I or INL	3-21

Oceans or Near Coastal waters

For licenses to serve on vessels from 25 to 100 gross registered tons on as:

MATE

3-32	OI or RIG	Near Coastal	3-22
3-33	Increase in Scope	To-more than 100 GRT	3-22
3-38	Renewal	Oceans/Near Coastal	3-25

MASTER

3-34	OI or RIG	Oceans	3-23
3-35	OI or RIG	Near Coastal	3-24
3-36	Increase in Scope	To-more than 100 GRT	3-24
3-37	Increase in Scope	To-Oceans	3-25
3-38	Renewal	Oceans/Near Coastal	3-25

For licenses to serve on vessels of Not More Than 200 gross registered tons as:

MATE

3-39	OI or RIG	Near Coastal	3-26
3-40	Renewal	Near Coastal	3-26

MASTER

3-41	OI or RIG	Oceans	3-27
3-42	OI or RIG	Near Coastal	3-28
3-43	Increase in Scope	To-Oceans	3-29
3-44	Renewal	Oceans/Near Coastal	3-29

Near Coastal, Great Lakes & Inland

For licenses to serve on Uninspected Passenger Vessels as:

OPERATOR

3-45	OI or RIG	Near Coastal	3-30
3-46	OI or RIG	Great Lakes and Inland – Int'l & Inland Rules	3-30
3-47	OI or RIG	Great Lakes and Inland – Inland Rules Only	3-30
3-48	Increase in Scope	International & Inland Rules	3-31
3-49	Renewal	Any Waters	3-31

ESS	License Action	License Condition	Page
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Any Waters

For licenses to serve on Towing Vessels as:

APPRENTICE MATE (STEERSMAN)

3-50	Original Issue	Oceans	3-32
3-51	Original Issue	Near Coastal	3-32
3-52	Original Issue	Great Lakes and Inland	3-33
3-53	Original Issue	Western Rivers	3-33

MATE (PILOT)

3-54	Raise in Grade	Oceans	3-34
3-55	Raise in Grade	Near Coastal	3-34
3-56	Raise in Grade	Great Lakes & Inland	3-35
3-57	Raise in Grade	Western Rivers	3-35

MASTER OF TOWING VESSELS

3-58	Raise in Grade	Oceans	3-36
3-59	Raise in Grade	Near Coastal	3-36
3-60	Raise in Grade	Great Lakes & Inland	3-37
3-61	Raise in Grade	Western Rivers	3-37

MASTER OR MATE OF TOWING VESSELS

3-62	Increase in Scope	Oceans	3-38
3-63	Increase in Scope	Near Coastal	3-38
3-65-	Renewal	Oceans or Near Coastal	3-39
3-66	Renewal	Great Lakes & Inland	3-39
3-67	Renewal	Western Rivers	3-39

For licenses to serve on Offshore Supply Vessels (OSVs) as:

MATE

3-68	Original Issue	Oceans	3-40
3-69	Original Issue	Near Coastal (Domestic Trade)	3-40
3-72	Increase in Scope	Oceans	3-42
3-74	Renewal	Any Waters	3-42

MASTER

3-70	Raise in Grade	Oceans	3-41
3-71	Raise in Grade	Near Coastal (Domestic Trade)	3-41
3-73	Increase in Scope	Oceans	3-42
3-74	Renewal	Any Waters	3-42

For licenses and endorsements to serve as:

FIRST CLASS PILOT

3-75	Original Issue	Int'l & Inland Rules	3-43
3-76	Original Issue	Inland Rules Only	3-44
3-77	Increase in Scope	To-Int'l & Inland Rules	3-45
3-78	Renewal	Any Waters	3-45

ESS	License Action	License Condition	Page
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Any Waters

For licenses to serve on Uninspected Fishing Industry Vessels as:

MATE

3-79	OI or RIG	Oceans	3-46
3-80	OI or RIG	Near Coastal	3-46
3-81	Increase in Scope	To-Oceans	3-47
3-82	Renewal	Oceans/Near Coastal	3-47

MASTER

3-83	OI or RIG	Oceans	3-48
3-84	OI or RIG	Near Coastal	3-48
3-85	Increase in Scope	To-Oceans	3-49
3-86	Renewal	Oceans/Near Coastal	3-49

EXAM STRUCTURE SHEET NO. 3 – 1	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 200 GRT ORIGINAL ISSUE OR RAISE IN GRADE RIVERS	EXAM CODE 32BB
NUMBER OF MODULES: Six (6)		NUMBER OF QUESTIONS	MINIMUM SCORE
066XX – Rules of the Road		30	90
072X3 – Navigation General		15	70
072X4 – Navigation General		15	70
074XX – Navigation Problems		10	90
075XX – Mississippi Map Navigation		10	90
321XX – Deck & Nav General + Safety & Environmental Protection		70	70

Note: Applicants for an unrestricted rivers route license must successfully complete all the above modules.

EXAM STRUCTURE SHEET NO. 3 – 2	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 200 GRT ORIGINAL ISSUE OR RAISE IN GRADE WESTERN RIVERS	EXAM CODE 32BD
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
066XX – Rules of the Road		30	90
072X4 – Navigation General		15	70
075XX – Navigation Problems		10	90
321XX – Deck & Nav General + Safety & Environmental Protection		70	70

Notes: none

EXAM STRUCTURE SHEET NO. 3 – 3	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 200 GRT ORIGINAL ISSUE OR RAISE IN GRADE RIVERS OTHER THAN WESTERN RIVERS	EXAM CODE 32BF
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
066XX – Rules of the Road		30	90
072X3 – Navigation General		15	70
074XX – Navigation Problems		10	90
321XX – Deck & Nav General + Safety & Environmental Protection		70	70

Notes: none

EXAM STRUCTURE SHEET NO. 3 – 4	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 200 GRT RENEWAL RIVERS/WESTERN RIVERS/ RIVERS OTHER THAN WESTERN RIVERS	EXAM CODE 32RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
069XX – Rules of the Road ⁽¹⁾		30	90
329XX – Renewal Refresher Exercise ⁽¹⁾		20	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.

EXAM STRUCTURE SHEET NO. 3 – 5	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 200 GRT ORIGINAL ISSUE OR RAISE IN GRADE RIVERS	EXAM CODE 32AB
NUMBER OF MODULES: Six (6)		NUMBER OF QUESTIONS	MINIMUM SCORE
066XX – Rules of the Road		30	90
072X3 – Navigation General		15	70
072X4 – Navigation General		15	70
074XX – Navigation Problems		10	90
075XX – Mississippi Map Navigation		10	90
321XX – Deck & Nav General + Safety & Environmental Protection		70	70

Note: Applicants for an unrestricted rivers route license must successfully complete all the above modules.

EXAM STRUCTURE SHEET NO. 3 – 6	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 200 GRT ORIGINAL ISSUE OR RAISE IN GRADE WESTERN RIVERS	EXAM CODE 32BE
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
066XX – Rules of the Road		30	90
072X4 – Navigation General		15	70
075XX – Navigation Problems		10	90
321XX – Deck & Nav General + Safety & Environmental Protection		70	70

Notes: none

EXAM STRUCTURE SHEET NO. 3 – 7	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 200 GRT ORIGINAL ISSUE OR RAISE IN GRADE RIVERS OTHER THAN WESTERN RIVERS	EXAM CODE 32BF
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
066XX – Rules of the Road		30	90
072X3 – Navigation General		15	70
074XX – Navigation Problems		10	90
321XX – Deck & Nav General + Safety & Environmental Protection		70	70

Notes: none

EXAM STRUCTURE SHEET NO. 3 – 8	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 200 GRT RENEWAL RIVERS/WESTERN RIVERS/ RIVERS OTHER THAN WESTERN RIVERS	EXAM CODE 32RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
069XX – Rules of the Road ⁽¹⁾		30	90
329XX – Renewal Refresher Exercise ⁽¹⁾		20	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.

EXAM STRUCTURE SHEET NO. 3 – 9	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 500/1600/ANY GRT ORIGINAL ISSUE OR RAISE IN GRADE RIVERS	EXAM CODE 31BB
NUMBER OF MODULES: Six (6)		NUMBER OF QUESTIONS	MINIMUM SCORE
066XX – Rules of the Road		30	90
072X3 – Navigation General		15	70
072X4 – Navigation General		15	70
074XX – Navigation Problems		10	90
075XX – Mississippi Map Navigation		10	90
311XX – Deck & Nav General + Safety & Environmental Protection		60	70

Notes:

- (1) Applicants for an unrestricted rivers route license must successfully pass all the above modules.
- (2) The level of the license issued is determined by sea service. The same examination should be used for all Rivers, Western Rivers and Rivers Other Than Western Rivers licenses for service on vessels of more than 200 gross registered tons.

EXAM STRUCTURE SHEET NO. 3 - 10	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 500/1600/ANY GRT ORIGINAL ISSUE OR RAISE IN GRADE WESTERN RIVERS	EXAM CODE 31BD
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
066XX – Rules of the Road		30	90
072X4 – Navigation General		15	70
075XX – Navigation Problems		10	90
311XX – Deck & Nav General + Safety & Environmental Protection		60	70

Notes: none

EXAM STRUCTURE SHEET NO. 3 – 11	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 500/1600/ANY GRT ORIGINAL ISSUE OR RAISE IN GRADE RIVERS OTHER THAN WESTERN RIVERS	EXAM CODE 31BF
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
066XX – Rules of the Road		30	90
072X3 – Navigation General		15	70
074XX – Navigation Problems		10	90
311XX – Deck & Nav General + Safety & Environmental Protection		60	70

Notes: none

EXAM STRUCTURE SHEET NO. 3 – 12	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 500/1600/ANY GRT RENEWAL RIVERS/WESTERN RIVERS/ RIVERS OTHER THAN WESTERN RIVERS	EXAM CODE 31RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road – International & Inland ⁽¹⁾⁽²⁾		30	90
069XX – Rules of the Road – Inland Only ⁽¹⁾⁽²⁾		30	90
309XX – Renewal Refresher Exercise ⁽¹⁾		30	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) Applicants complete either the 059XX or the 069XX module
- (3) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (4) Applicants who successfully complete an approved refresher training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (5) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.

EXAM STRUCTURE SHEET NO. 3 - 13	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 500/1600/ANY GRT ORIGINAL ISSUE OR RAISE IN GRADE RIVERS	EXAM CODE 30BB
NUMBER OF MODULES: Six (6)		NUMBER OF QUESTIONS	MINIMUM SCORE
066XX – Rules of the Road		30	90
072X3 – Navigation General		15	70
072X4 – Navigation General		15	70
074XX – Navigation Problems		10	90
075XX – Mississippi Map Navigation		10	90
301XX – Deck & Nav General + Safety & Environmental Protection		70	70

Notes:

- (1) Applicants for an unrestricted rivers route license must successfully complete all modules.
- (2) The level of the license issued is determined by sea service. The same examination should be used for all Rivers, Western Rivers and Rivers Other Than Western Rivers licenses for service on vessels of more than 200 gross registered tons.

EXAM STRUCTURE SHEET NO. 3 – 14	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 500/1600/ANY GRT ORIGINAL ISSUE OR RAISE IN GRADE WESTERN RIVERS	EXAM CODE 30BD
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
066XX – Rules of the Road		30	90
072X4 – Navigation General		15	70
075XX – Navigation Problems		10	90
301XX – Deck & Nav General + Safety & Environmental Protection		70	70

Notes: none

EXAM STRUCTURE SHEET NO. 3 – 15	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 500/1600/ANY GRT ORIGINAL ISSUE OR RAISE IN GRADE RIVERS OTHER THAN WESTERN RIVERS	EXAM CODE 30BF
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
066XX – Rules of the Road		30	90
072X3 – Navigation General		15	70
074XX – Navigation Problems		10	90
301XX – Deck & Nav General + Safety & Environmental Protection		70	70

Notes: none

EXAM STRUCTURE SHEET NO. 3 – 16	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 500/1600/ANY GRT RENEWAL RIVERS/WESTERN RIVERS/ RIVERS OTHER THAN WESTERN RIVERS	EXAM CODE 30RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
069XX – Rules of the Road – Inland Only ⁽¹⁾		30	90
309XX – Renewal Refresher Exercise ⁽¹⁾		30	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.

EXAM STRUCTURE SHEET NO. 3 – 17	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 100 GRT ORIGINAL ISSUE OR RAISE IN GRADE GL & I or INLAND – INT’L & INLAND RULES	EXAM CODE 27DA
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
065XX – Rules of the Road		30	90
072X1 – Navigation General		20	70
077XX – Chart Navigation		10	70
271XX – Deck & Nav General + Safety & Environmental Protection		60	70

Note: Applicants holding a license as OUPV, may obtain this license by successfully completing an examination on rules and regulations for small passenger vessels, Module 011X2 (10 questions, minimum score 70), per 46 CFR 10.427 (b).

EXAM STRUCTURE SHEET NO. 3 – 18	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 100 GRT ORIGINAL ISSUE OR RAISE IN GRADE GL & I or INLAND – INLAND RULES ONLY	EXAM CODE 27DB
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
066XX – Rules of the Road		30	90
072X1 – Navigation General		20	70
077XX – Chart Navigation		10	70
271XX – Deck & Nav General + Safety & Environmental Protection		60	70

Notes: none

EXAM STRUCTURE SHEET NO. 3 – 19	License Type: License Group: License Action: License Condition:	MASTER or MATE NOT MORE THAN 100 GRT INCREASE IN SCOPE FROM GL & I or INLAND TO – NEAR COASTAL	EXAM CODE 27DC
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
065XX – Rules of the Road		30	90
221XX – Deck General + Deck Safety & Environmental Protection		70	70

Note: Applicants wishing only to remove the COLREGS limitation from their license but not increase the scope of their license to Near Coastal need only test on the 065XX Rules of the Road module. See ESS 3-23.

EXAM STRUCTURE SHEET NO. 3 – 20	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 100 GRT, GL & I RAISE IN GRADE TO – NOT MORE THAN 200 GRT, GL & I	EXAM CODE 27DE
NUMBER OF MODULES: Three (3)		NUMBER OF QUESTIONS	MINIMUM SCORE
011X4 – Deck General & Deck Safety		20	70
065XX – Rules of the Road – International & Inland Rules		30	90
066XX – Rules of the Road – Inland Rules Only		30	90
073XX – Navigation General + Chart Navigation		20	90

Note: Applicants take either the 065XX or the 066XX Rules of the Road module.

EXAM STRUCTURE SHEET NO. 3 – 21	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 100 GRT ORIGINAL ISSUE OR RAISE IN GRADE GL & I or INLAND – INT’L & INLAND RULES	EXAM CODE 27CA
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
065XX – Rules of the Road		30	90
072X1 – Navigation General		20	70
077XX – Chart Navigation		10	70
271XX – Deck & Nav General + Safety & Environmental Protection		60	70

Note: Applicants raising grade of license from Mate for same route may be issued the license based on sea service alone. No exam is required per 46 CFR 10.903 (b)(3).

EXAM STRUCTURE SHEET NO. 3 – 22	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 100 GRT ORIGINAL ISSUE OR RAISE IN GRADE GL & I or INLAND – INLAND RULES ONLY	EXAM CODE 27CB
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
066XX – Rules of the Road		30	90
072X1 – Navigation General		20	70
077XX – Chart Navigation		10	70
271XX – Deck & Nav General + Safety & Environmental Protection		60	70

Note: Applicants raising grade of license from Mate for same route may be issued the license based on sea service alone. No exam is required per 46 CFR 10.903 (b)(3).

EXAM STRUCTURE SHEET NO. 3 - 23	License Type: MASTER or MATE License Group: NOT MORE THAN 100 GRT License Action: INCREASE IN SCOPE FROM INLAND RULES ONLY License Condition: TO – INTERNATIONAL & INLAND RULES	EXAM CODE 27CC
NUMBER OF MODULES: One (1)	NUMBER OF QUESTIONS	MINIMUM SCORE
065XX – Rules of the Road	30	90

Notes: none

EXAM STRUCTURE SHEET NO. 3 - 24	License Type: MASTER License Group: NOT MORE THAN 100 GRT, GL & I License Action: RAISE IN GRADE License Condition: TO – NOT MORE THAN 200 GRT, GL & I	EXAM CODE 27CD
NUMBER OF MODULES: Three (3)	NUMBER OF QUESTIONS	MINIMUM SCORE
011X4 – Deck General & Deck Safety	20	70
065XX – Rules of the Road – International & Inland	30	90
066XX – Rules of the Road – Inland Rules Only	30	90
073XX – Navigation General + Chart Navigation	20	90

Note: Applicants take either the 065XX or 066XX Rules of the Road module.

EXAM STRUCTURE SHEET NO. 3 – 25	License Type: MASTER or MATE License Group: NOT MORE THAN 100 GRT License Action: RENEWAL License Condition: GL & I or INLAND	EXAM CODE 27RE
NUMBER OF MODULES: Two (2)	NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road – International & Inland ⁽¹⁾⁽²⁾	30	90
069XX – Rules of the Road – Inland Only ⁽¹⁾⁽²⁾	30	90
279XX – Renewal Exercise ⁽¹⁾	20	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) Applicants complete either the 059XX or the 069XX module.
- (3) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.

EXAM STRUCTURE SHEET NO. 3 – 26	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 200 GRT ORIGINAL ISSUE OR RAISE IN GRADE GL & I or INLAND – INT’L & INLAND RULES	EXAM CODE 27BA
NUMBER OF MODULES: Five (5)		NUMBER OF QUESTIONS	MINIMUM SCORE
011X4 – Deck General + Deck Safety		20	70
065XX – Rules of the Road		30	90
072X1 – Navigation General		20	70
073XX – Navigation General + Chart Navigation		20	90
271XX – Deck & Nav General + Safety & Environmental Protection		60	70

Notes: none

EXAM STRUCTURE SHEET NO. 3 – 27	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 200 GRT ORIGINAL ISSUE OR RAISE IN GRADE GL & I or INLAND – INLAND RULES ONLY	EXAM CODE 27BB
NUMBER OF MODULES: Five (5)		NUMBER OF QUESTIONS	MINIMUM SCORE
011X4 – Deck General + Deck Safety		20	70
066XX – Rules of the Road		30	90
072X1 – Navigation General		20	70
073XX – Navigation General + Chart Navigation		20	90
271XX – Deck & Nav General + Safety & Environmental Protection		60	70

Notes: none

EXAM STRUCTURE SHEET NO. 3 – 28	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 200 GRT ORIGINAL ISSUE OR RAISE IN GRADE GL & I or INLAND – INT’L & INLAND RULES	EXAM CODE 27AB
NUMBER OF MODULES: Five (5)		NUMBER OF QUESTIONS	MINIMUM SCORE
011X4 – Deck General + Deck Safety ⁽³⁾		20	70
065XX – Rules of the Road ⁽³⁾		30	90
072X1 – Navigation General		20	70
073XX – Navigation General + Chart Navigation		20	90
271XX – Deck & Nav General + Safety & Environmental Protection ⁽³⁾		60	70

Notes:

- (1) Applicants raising grade of license from Mate NMT 200 GRT for same route may be issued the license based on sea service alone. No exam is required per 46 CFR 10.903(b)(3).
- (2) Applicants increasing the scope of their license from NMT 100 GRT to NMT 200 see ESS 3 – 24.
- (3) Applicants raising grade from Master of Towing Vessels should be administered a professional examination consisting of modules 011X4, 065XX, and 271XX.

EXAM STRUCTURE SHEET NO. 3 – 29	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 200 GRT ORIGINAL ISSUE OR RAISE IN GRADE GL & I or INLAND – INLAND RULES ONLY	EXAM CODE 27AC
NUMBER OF MODULES: Five (5)		NUMBER OF QUESTIONS	MINIMUM SCORE
011X4 – Deck General + Deck Safety ⁽³⁾		20	70
066XX – Rules of the Road ⁽³⁾		30	90
072X1 – Navigation General		20	70
073XX – Navigation General + Chart Navigation		20	90
271XX – Deck & Nav General + Safety & Environmental Protection ⁽³⁾		60	70

Notes:

- (1) Applicants raising grade of license from Mate NMT 200 GRT for same route may be issued the license based on sea service alone. No exam is required per 46 CFR 10.903 (b)(3).
- (2) Applicants increasing the scope of their license from NMT 100 GRT to more than 100 GRT see ESS 3 – 24.
- (3) Applicants raising grade from Master of Towing Vessels should be administered a professional examination consisting of modules 011X4, 066XX, and 271XX.

EXAM STRUCTURE SHEET NO. 3 - 30	License Type: License Group: License Action: License Condition:	MASTER or MATE NOT MORE THAN 200 GRT INCREASE IN SCOPE FROM GL & I or INLAND TO – NEAR COASTAL	EXAM CODE 27AD
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
065XX – Rules of the Road		30	90
221XX – Deck General + Deck Safety & Environmental Protection		70	70

Notes: Applicants wishing only to remove the COLREGS limitation from their license but not increase the scope of their license to Near Coastal need only test on the 065XX Rules of the Road module.

EXAM STRUCTURE SHEET NO. 3 – 31	License Type: License Group: License Action: License Condition:	MASTER or MATE NOT MORE THAN 200 GRT RENEWAL GL & I or INLAND	EXAM CODE 27RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road – International & Inland ⁽¹⁾⁽²⁾		30	90
069XX – Rules of the Road – Inland Only ⁽¹⁾⁽²⁾		30	90
279XX – Renewal Exercise ⁽¹⁾		20	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) Applicants complete either the 059XX or the 069XX module.
- (3) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (4) Applicants who successfully complete an approved refresher training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (5) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.

EXAM STRUCTURE SHEET NO. 3 – 32	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 100 GRT ORIGINAL ISSUE NEAR COASTAL	EXAM CODE 22HA
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
065XX – Rules of the Road ⁽²⁾		30	90
072X1 – Navigation General		20	70
077XX – Chart Navigation		10	70
221XX – Deck General + Deck Safety & Environmental Protection ⁽²⁾		70	70

Notes:

- (1) Applicants holding a license as OUPV, may obtain this license by successfully completing an examination on rules and regulations for small passenger vessels, module 011X2 (10 questions, minimum score 70), per 46 CFR 10.427 (b).
- (2) Applicants increasing the scope of their license from Inland routes should be administered an exam consisting of module 221XX (70 questions, minimum score 70). They should also be administered the International and Inland Rules of the Road module 065XX if not successfully completed within the past year.

EXAM STRUCTURE SHEET NO. 3 – 33	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 100 GRT, NEAR COASTAL RAISE IN GRADE TO – NOT MORE THAN 200 GRT, NEAR COASTAL	EXAM CODE 22HB
NUMBER OF MODULES: Three (3)		NUMBER OF QUESTIONS	MINIMUM SCORE
011X3 – Deck General & Deck Safety & Environmental Protection		20	70
065XX – Rules of the Road – International & Inland Rules		30	90
073XX – Navigation General + Chart Navigation		20	90

Notes: none

EXAM STRUCTURE SHEET NO. 3 – 34	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 100 GRT ORIGINAL ISSUE OR RAISE IN GRADE OCEANS	EXAM CODE 22HF
NUMBER OF MODULES: Five (5)		NUMBER OF QUESTIONS	MINIMUM SCORE
065XX – Rules of the Road ⁽⁴⁾		30	90
072X1 – Navigation General		20	70
077XX – Chart Navigation		10	70
078XX – Navigation Problems – Oceans ⁽³⁾⁽⁴⁾		5	80
221XX – Deck General + Deck Safety & Environmental Protection ⁽⁴⁾		70	70

Notes:

- (1) An applicant for this license is required to qualify as Able Seaman per 46 CFR 10.401. See Exam Structure Sheets 5 - 1 or 5 - 3.
- (2) Applicants for Master Ocean licenses when raising grade from Mate, Oceans, not more than 200 GRT do not require examination per 46 CFR 10.903 (b) (2). However, applicants who obtained their Mate 200 GRT license through the limited examination provisions of 46 CFR 10.427(b) must show at least twelve months service as Master, Mate or equivalent supervisory position while holding the Mate, NMT 200 GRT license as shown in 46 CFR Figure 10.403.
- (3) Applicants raising grade from Mate, Near Coastal, not more than 200 GRT to Master, Oceans, not more than 200 GRT must successfully complete the Oceans module 078XX.
- (4) Applicants increasing the scope of their license from Inland routes should be administered an exam consisting of modules 221XX (70 questions, minimum score 70) and 078XX (5 questions minimum score 80). They should also be administered the International and Inland Rules of the Road module 065XX if not successfully completed within the past year.

EXAM STRUCTURE SHEET NO. 3 – 35	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 100 GRT ORIGINAL ISSUE OR RAISE IN GRADE NEAR COASTAL	EXAM CODE 22HN
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
065XX – Rules of the Road ⁽²⁾		30	90
072X1 – Navigation General		20	70
077XX – Chart Navigation		10	70
221XX – Deck General + Deck Safety & Environmental Protection ⁽²⁾		70	70

Notes:

- (1) Applicants for Near Coastal licenses when raising grade from Mate, Near Coastal, not more than 200 GRT do not require examination per 46 CFR 10.903 (b) (2). However, applicants who obtained their Mate NMT 200 GRT license through the limited examination provisions of 46 CFR 10.427(b) must show at least twelve months service as Master, Mate, or equivalent supervisory position while holding the Mate NMT 200 GRT license as shown in Figure 10.403.
- (2) Applicants increasing the scope of their license from Inland routes should be administered an exam consisting of module 221XX (70 questions, minimum score 70). They should also be administered the International and Inland Rules of the Road module 065XX if not successfully completed within the past year.

EXAM STRUCTURE SHEET NO. 3 – 36	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 100 GRT, OCEANS or NC RAISE IN GRADE TO – NOT MORE THAN 200 GRT, OCEANS or NC	EXAM CODE 22HO
NUMBER OF MODULES: Three (3)		NUMBER OF QUESTIONS	MINIMUM SCORE
011X3 – Deck General & Deck Safety & Environmental Protection		20	70
065XX – Rules of the Road – International & Inland Rules		30	90
073XX – Navigation General + Chart Navigation		20	90

Notes: none

EXAM STRUCTURE SHEET NO. 3 – 37	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 100 GRT INCREASE IN SCOPE TO – OCEANS	EXAM CODE 22DI
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
078XX – Navigation Problems - Oceans		5	80

Note: Applicants must also complete the Rules of the Road module if they have not completed it within the preceding twelve months.

EXAM STRUCTURE SHEET NO. 3 – 38	License Type: License Group: License Action: License Condition:	MASTER or MATE NOT MORE THAN 100 GRT RENEWAL OCEANS/NEAR COASTAL	EXAM CODE 22RG
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road ⁽¹⁾		30	90
229XX – Renewal Exercise ⁽¹⁾		20	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.

EXAM STRUCTURE SHEET NO. 3 – 39	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 200 GRT ORIGINAL ISSUE OR RAISE IN GRADE NEAR COASTAL	EXAM CODE 22JT
NUMBER OF MODULES: Five (5)		NUMBER OF QUESTIONS	MINIMUM SCORE
011X3 – Deck General + Deck Safety ⁽¹⁾⁽²⁾		20	70
065XX – Rules of the Road ⁽²⁾		30	90
072X1 – Navigation General		20	70
073XX – Navigation General + Chart Navigation ⁽¹⁾		20	90
221XX – Deck General + Deck Safety & Environmental Protection ⁽²⁾		70	70

Notes:

- (1) Applicants increasing the scope of their license from Mate or Master not more than 100 GRT to not more than 200 GRT see ESS 3 – 33 or ESS 3-36.
- (2) Applicants increasing the scope of their license from Inland routes should be administered an exam consisting of module 011X3, 221XX (70 questions, minimum score 70). They should also be administered the International and Inland Rules of the Road module 065XX if not successfully completed within the past year.

EXAM STRUCTURE SHEET NO. 3 – 40	License Type: License Group: License Action: License Condition:	MATE NOT MORE THAN 200 GROSS TONS RENEWAL NEAR COASTAL	EXAM CODE 22RR
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road ⁽¹⁾		30	90
229XX – Renewal Exercise ⁽¹⁾		20	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.

EXAM STRUCTURE SHEET NO. 3 – 41	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 200 GRT ORIGINAL ISSUE OR RAISE IN GRADE OCEANS	EXAM CODE 22KR
NUMBER OF MODULES: Six (6)		NUMBER OF QUESTIONS	MINIMUM SCORE
011X3 – Deck General + Deck Safety ⁽¹⁾⁽⁵⁾		20	70
065XX – Rules of the Road ⁽¹⁾⁽⁵⁾⁽⁶⁾		30	90
072X1 – Navigation General		20	70
073XX – Navigation General + Chart Navigation ⁽¹⁾		20	90
078XX – Navigation Problems – Oceans ⁽⁴⁾⁽⁵⁾		5	80
221XX – Deck General + Deck Safety & Environmental Protection ⁽⁵⁾		70	70

Notes:

- (1) Applicants increasing the scope of their license from Master not more than 100 GRT to more than 100 GRT see ESS 3 –36
- (2) Applicants for this license are required to qualify as Able Seaman per 46 CFR 10.401. See ESS 5-1 or 5-3.
- (3) Applicants raising grade from Mate, Oceans, not more than 200 GRT to Master, Oceans, not more than 200 GRT would require an examination in Oceans navigation per 46 CFR 10.903 (b) (2).
- (4) Applicants raising grade from Operator Uninspected Towing Vessels, Oceans should be administered a professional examination consisting of modules 065XX, 221XX and 011X3 per 46CFR 10.424(a)(2).
- (5) Applicants increasing the scope of their license from Inland routes should be administered an exam consisting of modules 011X3, 221XX and 078XX. They should also be administered the International and Inland Rules of the Road module 065XX if not successfully completed within the past year.

EXAM STRUCTURE SHEET NO. 3 – 42	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 200 GRT ORIGINAL ISSUE OR RAISE IN GRADE NEAR COASTAL	EXAM CODE 21DE
NUMBER OF MODULES: Five (5)		NUMBER OF QUESTIONS	MINIMUM SCORE
011X3 – Deck General + Deck Safety ⁽¹⁾⁽⁴⁾		20	70
065XX – Rules of the Road ⁽¹⁾⁽³⁾⁽⁴⁾		30	90
072X1 – Navigation General		20	70
073XX – Navigation General + Chart Navigation ⁽¹⁾		20	90
221XX – Deck General + Deck Safety & Environmental Protection ⁽³⁾⁽⁴⁾		70	70

Notes:

- (1) Applicants increasing the scope of their license from Master not more than 100 GRT to more than 100 GRT see ESS 3–36.
- (2) Applicants for Near Coastal licenses when raising grade from Mate, Near Coastal, not more than 200 GRT do not require examination per 46 CFR 10.903 (b) (2). However, applicants who obtained their Mate NMT 200 GRT license through the limited examination provisions of 46 CFR 10.427(b) must show at least twelve months service as Master, Mate , or equivalent supervisory position while holding the Mate, NMT 200 GRT license as shown in Figure 10.403.
- (3) Applicants increasing the scope of their license from Inland routes should be administered an exam consisting of module 221XX (70 questions, minimum score 70). They should also be administered the International and Inland Rules of the Road module 065XX if not successfully completed within the past year.
- (4) Applicants raising grade from Master of Towing Vessels should be administered a professional examination consisting of modules 011X3, 065XX and 221XX. See 46 CFR 10.424(a)(2).

EXAM STRUCTURE SHEET NO. 3 – 43	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 200 GRT INCREASE IN SCOPE TO – OCEANS	EXAM CODE 22JI
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
078XX – Navigation Problems – Oceans		5	80

Note: Applicants must also complete the Rules of the Road module if they have not completed it within the preceding twelve months.

EXAM STRUCTURE SHEET NO. 3 – 44	License Type: License Group: License Action: License Condition:	MASTER NOT MORE THAN 200 GRT RENEWAL OCEANS/NEAR COASTAL	EXAM CODE 22RR
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road ⁽¹⁾		30	90
229XX – Renewal Exercise ⁽¹⁾		20	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.

EXAM STRUCTURE SHEET NO. 3 – 45	License Type: License Group: License Action: License Condition:	OPERATOR UNINSPECTED PASSENGER VESSELS ORIGINAL ISSUE OR RAISE IN GRADE NEAR COASTAL	EXAM CODE 39AA
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
065XX – Rules of the Road		30	90
072X1 – Navigation General		20	70
077XX – Chart Navigation		10	70
391XX – Deck General + Deck Safety & Environmental Protection		60	70

EXAM STRUCTURE SHEET NO. 3 – 46	License Type: License Group: License Action: License Condition:	OPERATOR UNINSPECTED PASSENGER VESSELS ORIGINAL ISSUE OR RAISE IN GRADE GL & I or INL – INT’L & INLAND RULES	EXAM CODE 39AB
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
065XX – Rules of the Road		30	90
072X1 – Navigation General		20	70
077XX – Chart Navigation		10	70
391XX – Deck General + Deck Safety & Environmental Protection		60	70

EXAM STRUCTURE SHEET NO. 3 – 47	License Type: License Group: License Action: License Condition:	OPERATOR UNINSPECTED PASSENGER VESSELS ORIGINAL ISSUE OR RAISE IN GRADE GL & I or INL – INLAND RULES ONLY	EXAM CODE 39AC
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
066XX – Rules of the Road		30	90
072X1 – Navigation General		20	70
077XX – Chart Navigation		10	70
391XX – Deck General + Deck Safety & Environmental Protection		60	70

Notes: none

EXAM STRUCTURE SHEET NO. 3 – 48	License Type: OPERATOR License Group: UNINSPECTED PASSENGER VESSELS License Action: INCREASE IN SCOPE FROM INLAND RULES ONLY License Condition: TO – INTERNATIONAL & INLAND RULES	EXAM CODE 39AD
NUMBER OF MODULES: One (1)	NUMBER OF QUESTIONS	MINIMUM SCORE
065XX – Rules of the Road	30	90

Notes: none

EXAM STRUCTURE SHEET NO. 3 – 49	License Type: OPERATOR License Group: UNINSPECTED PASSENGER VESSELS License Action: RENEWAL License Condition: ANY WATERS	EXAM CODE 39RE
NUMBER OF MODULES: Two (2)	NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road – International & Inland ⁽¹⁾⁽²⁾	30	90
069X1 – Rules of the Road – Inland Only ⁽¹⁾⁽²⁾	30	90
399XX – Renewal Exercise ⁽¹⁾	20	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) Applicants complete either the 059XX or the 069XX module.
- (3) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (4) Applicants who successfully complete an approved refresher training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (5) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.

EXAM STRUCTURE SHEET NO. 3 – 50	License Type: License Group: License Action: License Condition:	APPRENTICE MATE (STEERSMAN) TOWING VESSELS ORIGINAL ISSUE OCEANS	EXAM CODE 34AA
NUMBER OF MODULES: Five (5)		NUMBER OF QUESTIONS	MINIMUM SCORE
065XX – Rules of the Road		30	90
072X1 – Navigation General		20	70
073XX – Navigation Problems		20	90
078XX – Navigation Problems – Oceans		5	80
341XX – Deck & Nav General + Safety & Environmental Protection		60	70

Note:

- (1) Applicants for an ocean or near coastal license greater than 200 GRT must also pass a practical visual signaling (flashing light) exam in accordance with STCW.
- (2) Applicants also applying for a Western Rivers endorsement must take modules 072X4 and 075XX in addition to the modules listed above.

EXAM STRUCTURE SHEET NO. 3 – 51	License Type: License Group: License Action: License Condition:	APPRENTICE MATE (STEERSMAN) TOWING VESSELS ORIGINAL ISSUE NEAR COASTAL	EXAM CODE 34AB
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
065XX – Rules of the Road		30	90
072X1 – Navigation General		20	70
073XX – Navigation General + Chart Navigation		20	90
341XX – Deck & Nav General + Safety & Environmental Protection		60	70

Notes:

- (1) Applicants desiring to increase the scope of this license to Oceans must successfully complete the Navigation Problems - Oceans module 078XX referred to in Exam Structure Sheet 3-62 and have completed all the requirements of STCW. They must also successfully complete the Rules of the Road module if they have not done so within the past year.
- (2) Applicants for an ocean or near coastal license greater than 200 GRT must also pass a practical visual signaling (flashing light) exam in accordance with STCW.
- (3) Applicants also applying for a Western Rivers endorsement must take modules 072X4 and 075XX in addition to the modules listed above.

EXAM STRUCTURE SHEET NO. 3 – 52	License Type: License Group: License Action: License Condition:	APPRENTICE MATE (STEERSMAN) TOWING VESSELS ORIGINAL ISSUE GREAT LAKES & INLAND	EXAM CODE 35AA
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
065XX – Rules of the Road ⁽²⁾		30	90
072X1 – Navigation General		20	70
073XX – Navigation General + Chart Navigation		20	90
351XX – Deck & Nav General + Safety & Environmental Protection		60	70

Notes:

- (1) Applicants for Apprentice Mate (Steersman) – Great Lakes & Inland may choose to take the Rules of the Road – Inland Only module (066XX) and have a COLREGS limitation placed on their license.
- (2) Applicants also applying for a Western Rivers endorsement must take modules 072X4 and 075XX in addition to the modules listed above.

EXAM STRUCTURE SHEET NO. 3 – 53	License Type: License Group: License Action: License Condition:	APPRENTICE MATE (STEERSMAN) TOWING VESSELS ORIGINAL ISSUE WESTERN RIVERS	EXAM CODE 36AA
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
066XX – Rules of the Road ⁽³⁾		30	90
072X4 – Navigation General		20	70
075XX – Mississippi Map Navigation		10	90
361XX – Deck & Nav General + Safety & Environmental Protection		60	70

Notes:

- (1) Applicants for Apprentice Mate (Steersman) - Western Rivers are required to complete only modules 072X4 and 075XX if the applicant has already passed the examination for Apprentice Mate (Steersman) – Great Lakes & Inland, Near Coastal, or Oceans.
- (2) Applicants holding a Master or Mate of Towing Vessels – Western Rivers license limited to less than 10 miles must take the 075XX module and the Rules of the Road , if required, to remove this limitation.
- (3) Applicants holding a Master or Mate of Towing Vessels – Western Rivers license limited to greater than 10 miles do not take further examination to remove this limitation.

EXAM STRUCTURE SHEET NO. 3 – 54	License Type: License Group: License Action: License Condition:	MATE (PILOT) TOWING VESSELS RAISE IN GRADE OCEANS	EXAM CODE 34MP
NUMBER OF MODULES: None (0)		NUMBER OF QUESTIONS	MINIMUM SCORE

Notes:

- (1) Eligibility for a raise in grade from Apprentice Mate (Steersman) Oceans to Mate (Pilot) of Towing Vessels Oceans is based on sea service only, and no examination is required.
- (2) Applicants must have completed the applicable STCW requirements prior to being examined for this license.
- (3) Applicants holding a license as Mate, Oceans for tonnages greater than 200 GRT or First Class Pilot providing documentation of having completed training and/or assessment in towing vessel operations may be issued this license upon successfully completing modules 065XX and 341XX per CFR 10.465(d). Refer to ESS 3-50.
- (4) Applicants that show “continuing competence” in visual signaling per Policy Letter 03-03 will not have to retest in flashing light. All others raising the grade of their license to Mate (Pilot) must take the practical visual signaling (flashing light) exam.

EXAM STRUCTURE SHEET NO. 3 – 55	License Type: License Group: License Action: License Condition:	MATE (PILOT) TOWING VESSELS RAISE IN GRADE NEAR COASTAL	EXAM CODE 34MA
NUMBER OF MODULES: None (0)		NUMBER OF QUESTIONS	MINIMUM SCORE

Notes:

- (1) Eligibility for a raise in grade from Apprentice Mate (Steersman) Near Coastal to Mate (Pilot) of Towing Vessels Near Coastal is based on sea service only, and no examination is required.
- (2) Applicants holding a license as Mate, Near Coastal for tonnages greater than 200 GRT or First Class Pilot providing documentation of having completed training and/or assessment in towing vessel operations may be issued this license upon successfully completing modules 065XX and 341XX per CFR 10.465(d). Refer to ESS 3-51.
- (3) Applicants must have completed the applicable STCW requirements prior to being examined for this license.
- (4) Applicants that show “continuing competence” in visual signaling per Policy Letter 03-03 will not have to retest in flashing light. All others raising the grade of their license to Mate (Pilot) must take the practical visual signaling (flashing light) exam.

EXAM STRUCTURE SHEET NO. 3 – 56	License Type: License Group: License Action: License Condition:	MATE (PILOT) TOWING VESSELS RAISE IN GRADE GREAT LAKES & INLAND	EXAM CODE 35MP
NUMBER OF MODULES: None (0)		NUMBER OF QUESTIONS	MINIMUM SCORE

Notes:

- (1) Eligibility for a raise in grade from Apprentice Mate (Steersman) GL & I to Mate (Pilot) of Towing Vessels GL & I is based on service only, and no examination is required.
- (2) Applicants holding a Master or Mate of Towing Vessels – Great Lakes and Inland (Limited) license and increasing the scope of their license to Master or Mate of Towing Vessels – Great Lakes and Inland (unrestricted) must complete all the modules listed in ESS 3-52.
- (3) Applicants holding a license as Mate, Great Lakes & Inland for tonnages greater than 200 GRT or First Class Pilot providing documentation of having completed training and/or assessment in towing vessel operations may be issued this license upon successfully completing modules 065XX and 351XX per CFR 10.465(d). Refer to ESS 3-52.

EXAM STRUCTURE SHEET NO. 3 – 57	License Type: License Group: License Action: License Condition:	MATE (PILOT) TOWING VESSELS RAISE IN GRADE WESTERN RIVERS	EXAM CODE 36MP
NUMBER OF MODULES: None (0)		NUMBER OF QUESTIONS	MINIMUM SCORE

Notes:

- (1) Eligibility for a raise in grade from Apprentice Mate (Steersman) Western Rivers to Mate (Pilot) of Towing Vessels Western Rivers is based on service only and no examination is required.
- (2) Applicants holding a license as Mate, Western Rivers for tonnages greater than 200 GRT or First Class Pilot providing documentation of having completed training and/or assessment in towing vessel operations may be issued this license upon successfully completing modules 065XX and 361XX per CFR 10.465(d). Refer to ESS 3-53.

EXAM STRUCTURE SHEET NO. 3 – 58	License Type: License Group: License Action: License Condition:	MASTER TOWING VESSELS RAISE IN GRADE OCEANS	EXAM CODE 34MR
NUMBER OF MODULES: None (0)		NUMBER OF QUESTIONS	MINIMUM SCORE

Notes:

- (1) Eligibility for a raise in grade from Mate (Pilot) Oceans to Master of Towing Vessels Oceans is based on sea service only, and no examination is require
- (2) Applicants holding a license as Master, Oceans for tonnages greater than 200 GRT or First Class Pilot providing documentation of having completed training and/or assessment in towing vessel operations may be issued this license upon successfully completing modules 065XX and 341XX per CFR 10.465(d). Refer to ESS 3-50.
- (3) Applicants must have completed the applicable STCW requirements prior to being examined for this license.
- (4) Applicants that show “continuing competence” in visual signaling per Policy Letter 03-03 will not have to retest in flashing light. All others raising the grade of their license to Mate (Pilot) must take the practical visual signaling (flashing light) exam.

EXAM STRUCTURE SHEET NO. 3 – 59	License Type: License Group: License Action: License Condition:	MASTER TOWING VESSELS RAISE IN GRADE NEAR COASTAL	EXAM CODE 34MS
NUMBER OF MODULES: None (0)		NUMBER OF QUESTIONS	MINIMUM SCORE

Notes:

- (1) Eligibility for a raise in grade from Mate (Pilot) Near Coastal to Master of Towing Vessels Near Coastal is based on sea service only, and no examination is required.
- (2) Applicants holding a license as Master, Near Coastal for tonnages greater than 200 GRT providing documentation of having completed training and/or assessment in towing vessel operations may be issued this license upon successfully completing modules 065XX and 341XX per CFR 10.464(f). Refer to ESS 3-51.
- (3) Applicants must have completed the applicable STCW requirements prior to being examined for this license.
- (4) Applicants that show “continuing competence” in visual signaling per Policy Letter 03-03 will not have to retest in flashing light. All others raising the grade of their license to Mate (Pilot) must take the practical visual signaling (flashing light) exam.

EXAM STRUCTURE SHEET NO. 3 – 60	License Type: License Group: License Action: License Condition:	MASTER TOWING VESSELS RAISE IN GRADE GREAT LAKES & INLAND	EXAM CODE 35MR
NUMBER OF MODULES: None (0)		NUMBER OF QUESTIONS	MINIMUM SCORE

Notes:

- (1) Eligibility for a raise in grade from Mate (Pilot) - GL & I to Master of Towing Vessels - GL & I is based on service only, and no examination is required.
- (2) Applicants holding a Master or Mate of Towing Vessels – Great Lakes and Inland (Limited) license and increasing the scope of their license to Master or Mate of Towing Vessels – Great Lakes and Inland (unrestricted) must complete all the modules listed in ESS 3-52.
- (3) Applicants holding a license as Master, Great lakes & Inland for tonnages greater than 200 GRT providing documentation of having completed training and/or assessment in towing vessel operations may be issued this license upon successfully completing modules 065XX and 351XX per CFR 10.464(f). Refer to ESS 3-52.

EXAM STRUCTURE SHEET NO. 3 – 61	License Type: License Group: License Action: License Condition:	MASTER TOWING VESSELS RAISE IN GRADE WESTERN RIVERS	EXAM CODE 36MR
NUMBER OF MODULES: None (0)		NUMBER OF QUESTIONS	MINIMUM SCORE

Notes:

- (1) Eligibility for a raise in grade from Mate (Pilot) - Western Rivers to Master of Towing Vessels - Western Rivers is based on service only, and no examination is required.
- (2) Applicants holding a license as Master, Western Rivers for tonnages greater than 200 GRT providing documentation of having completed training and/or assessment in towing vessel operations may be issued this license upon successfully completing modules 065XX and 361XX per CFR 10.464(f). Refer to ESS 3-53.

EXAM STRUCTURE SHEET NO. 3 – 62	License Type: License Group: License Action: License Condition:	MASTER or MATE TOWING VESSELS INCREASE IN SCOPE OCEANS	EXAM CODE 34IO
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
065XX – Rules of the Road ⁽²⁾		30	90
078XX – Navigation Problems – Oceans		5	80

Note:

- (1) Applicants holding a license as Mate or Master of Towing Vessels – near coastal may have the scope of their license increased to oceans by having met all the requirements of STCW and completing the above modules.
- (2) Applicants must also complete the Rules of the Road module if they have not completed it within the preceding twelve months.

EXAM STRUCTURE SHEET NO. 3 – 63	License Type: License Group: License Action: License Condition:	MASTER or MATE TOWING VESSELS INCREASE IN SCOPE NEAR COASTAL	EXAM CODE 34IN
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
065XX – Rules of the Road ⁽²⁾		30	90
341XX – Deck & Nav General + Safety & Environmental Protection		60	70

Note:

- (1) Applicants holding a license as Mate or Master of Towing Vessels –Great Lakes & Inland may have the scope of their license increased to near coastal by having met all the requirements of STCW and completing the above modules.
- (2) Applicants must also complete the Rules of the Road module (065XX) if they have not completed it within the preceding twelve months.

EXAM STRUCTURE SHEET NO. 3 – 65	License Type: License Group: License Action: License Condition:	MASTER or MATE(PILOT) TOWING VESSELS RENEWAL OCEANS or NEAR COASTAL	EXAM CODE 34RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road ⁽¹⁾		30	90
349XX – Renewal Exercise ⁽¹⁾		20	90

Notes: (See notes at bottom of page)

EXAM STRUCTURE SHEET NO. 3 – 66	License Type: License Group: License Action: License Condition:	MASTER or MATE(PILOT) TOWING VESSELS RENEWAL GREAT LAKES & INLAND	EXAM CODE 35RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road ⁽¹⁾		30	90
359XX – Renewal Exercise ⁽¹⁾		20	90

Notes: (See notes at bottom of page)

EXAM STRUCTURE SHEET NO. 3 – 67	License Type: License Group: License Action: License Condition:	MASTER or MATE(PILOT) TOWING VESSELS RENEWAL WESTERN RIVERS	EXAM CODE 36RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
069XX – Rules of the Road ⁽¹⁾		30	90
369XX – Renewal Exercise ⁽¹⁾		20	90

Notes:

- (1) For all deck license renewals, the Rules of the Road and Renewal modules are both open book exercises.
- (2) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they missed and be re-graded for the second attempt. If they still fail on the second attempt, they should be given a different module for the third try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to complete either the Rules of the Road or Renewal exercise modules.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to complete either the Rules of the Road or Renewal exercise modules.
- (5) Applicants holding an ocean or near coastal license must have completed the applicable STCW requirements prior to renewing their license.

EXAM STRUCTURE SHEET NO. 3 – 68	License Type: License Group: License Action: License Condition:	MATE OFFSHORE SUPPLY VESSELS ORIGINAL ISSUE OCEANS	EXAM CODE 21OV
NUMBER OF MODULES: Six (6)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
171XX – Deck General, Safety & Environmental Protection		50	70
172XX – Navigation General		60	70
174XX – Navigation Problems – Chart Plotting		15	90
175XX – Navigation Problems – Near Coastal		10	90
176XX – Navigation Problems – Oceans		15	80

Note:

- (1) All applicants for Mate of Offshore Supply Vessels – oceans must complete training and assessment of skills required by STCW prior to being administered the written examination.
- (2) An applicant not having completed a Proficiency in Survival Craft Course, must successfully complete the 441XX Survival Craft module in addition to Basic Safety Training to be issued an STCW 95 certificate endorsed “Limited to service on vessels not equipped with lifeboats”.
- (3) Applicants may miss two (2) of the fifteen (15) questions in module 174XX (Chart Plotting) and pass.

EXAM STRUCTURE SHEET NO. 3 – 69	License Type: License Group: License Action: License Condition:	MATE OFFSHORE SUPPLY VESSELS ORIGINAL ISSUE NEAR COASTAL (DOMESTIC TRADE)	EXAM CODE 21SV
NUMBER OF MODULES: Five (5)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
171XX – Deck General, Safety & Environmental Protection		50	70
172XX – Navigation General		60	70
174XX – Navigation Problems – Chart Plotting		15	90
175XX – Navigation Problems – Near Coastal		10	90

Note:

- (1) All applicants for Mate of Offshore Supply Vessels – near coastal must complete training and assessment of skills required by STCW prior to being administered the written examination.
- (2) An applicant not having completed a Proficiency in Survival Craft Course, must successfully complete the 441XX Survival Craft module in addition to Basic Safety Training to be issued an STCW 95 certificate endorsed “Limited to service on vessels not equipped with lifeboats”.
- (3) Applicants may miss two (2) of the fifteen (15) questions in module 174XX (Chart Plotting) and pass.

EXAM STRUCTURE SHEET NO. 3 – 70	License Type: License Group: License Action: License Condition:	MASTER OFFSHORE SUPPLY VESSELS RAISE IN GRADE OCEANS	EXAM CODE 20OV
NUMBER OF MODULES: Six (6)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
161XX – Deck General, Safety & Environmental Protection		60	70
162XX – Navigation General		60	70
164XX – Navigation Problems – Chart Plotting		10	90
165XX – Navigation Problems – Near Coastal		10	90
166XX – Navigation Problems – Oceans		15	80

Notes:

- (1) All applicants for Master of Offshore Supply Vessels – oceans must complete training and assessment of skills required by STCW prior to being administered the written examination.
- (2) An applicant not having completed a Proficiency in Survival Craft Course, must successfully complete the 441XX Survival Craft module in addition to Basic Safety Training to be issued an STCW 95 certificate endorsed “Limited to service on vessels not equipped with lifeboats”.

EXAM STRUCTURE SHEET NO. 3 – 71	License Type: License Group: License Action: License Condition:	MASTER OFFSHORE SUPPLY VESSELS RAISE IN GRADE NEAR COASTAL (DOMESTIC TRADE)	EXAM CODE 20SV
NUMBER OF MODULES: Five (5)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
161XX – Deck General, Safety & Environmental Protection		60	70
162XX – Navigation General		60	70
164XX – Navigation Problems – Chart Plotting		10	90
165XX – Navigation Problems – Near Coastal		10	90

Notes:

- (1) All applicants for Master of Offshore Supply Vessels – near coastal (Domestic Trade) must complete training and assessment of skills required by STCW prior to being administered the written examination.
- (2) An applicant not having completed a Proficiency in Survival Craft Course, must successfully complete the 441XX Survival Craft module in addition to Basic Safety Training to be issued an STCW 95 certificate endorsed “Limited to service on vessels not equipped with lifeboats”.

EXAM STRUCTURE SHEET NO. 3 – 72	License Type: License Group: License Action: License Condition:	MATE OFFSHORE SUPPLY VESSELS INCREASE IN SCOPE FROM NEAR COASTAL TO - OCEANS	EXAM CODE 20IS
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
176XX – Navigation Problems - Oceans		15	80

Note : All applicants increasing the scope of their Master or Mate of Offshore Supply Vessels – near coastal (Domestic Trade) license to Master or Mate of Offshore Supply Vessels – oceans must have completed training and assessment of skills required by STCW prior to being administered the written examination indicated above.

EXAM STRUCTURE SHEET NO. 3 – 73	License Type: License Group: License Action: License Condition:	MASTER OFFSHORE SUPPLY VESSELS INCREASE IN SCOPE FROM NEAR COASTAL TO - OCEANS	EXAM CODE 20NS
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
166XX – Navigation Problems - Oceans		15	80

Note : All applicants increasing the scope of their Master or Mate of Offshore Supply Vessels – near coastal (Domestic Trade) license to Master or Mate of Offshore Supply Vessels – oceans must have completed training and assessment of skills required by STCW prior to being administered the written examination indicated above.

EXAM STRUCTURE SHEET NO. 3 – 74	License Type: License Group: License Action: License Condition:	MASTER or MATE OFFSHORE SUPPLY VESSELS RENEWAL ANY WATERS	EXAM CODE 16RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road ⁽¹⁾		30	90
169XX – Renewal Refresher Exercise ⁽¹⁾		30	90

Notes:

- (1) For all deck license renewals, the Rules of the Road and Renewal modules are both open book exercises.
- (2) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to complete either the Rules of the Road or Renewal exercise modules.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to complete either the Rules of the Road or Renewal exercise modules.
- (5) Applicants must have completed the applicable STCW requirements prior to renewing this license.

EXAM STRUCTURE SHEET NO. 3 – 75	License Type: License Group: License Action: License Condition:	FIRST CLASS PILOT ANY APPROPRIATE TONNAGE ORIGINAL ISSUE INTERNATIONAL & INLAND RULES	EXAM CODE 31AA
NUMBER OF MODULES: Six (6)		NUMBER OF QUESTIONS	MINIMUM SCORE
031XX – Deck & Navigational Safety + Deck Safety ⁽⁴⁾		30	70
032XX – Navigation General ⁽⁴⁾		30	70
054XX – Rules of the Road		50	90
073XX – Navigation General + Chart Navigation ⁽³⁾		20	90
REC-LK–Local Knowledge ⁽¹⁾			
REC-CS–Chart Sketch ⁽¹⁾			

Notes:

- (1) Individual RECs must maintain and administer a Local Knowledge module which will include, but not be limited to, local information questions. A Chart Sketch module must also be administered. RECs shall establish the passing grades and other criteria, such as time limits and allowable reference material, for these modules.
- (2) This exam is for application for an original license as first class pilot and for an endorsement as first class pilot authorizing service on vessels of not more than 1600 gross registered tons. Applicants for extensions of route and for endorsement as first class pilot on licenses authorizing service on vessels of more than 1600 GRT are only required to successfully complete a local knowledge module and chart sketch for the specific route for which endorsement is sought. (46 CFR 10.707).
- (3) For mariners licensed exclusively for river navigation the following modules may be substituted for the 073XX module.
The 074XX module may be given for licenses limited to navigation solely on Rivers other than Western rivers.
The 075XX module may be given for licenses limited to navigation solely on the Western Rivers.
- (4) Modules 031XX and 032XX were designed for use with examinations for licenses/endorsements for service on vessels of more than 1,600 GRT in accordance with 46 CFR 10.701 and 15.812. Certain questions may not be applicable in all circumstances. These modules may be modified by deleting inapplicable questions and adjusting the scoring basis.

EXAM STRUCTURE SHEET NO. 3 - 76	License Type: License Group: License Action: License Condition:	FIRST CLASS PILOT ANY APPROPRIATE TONNAGE ORIGINAL ISSUE INLAND RULES ONLY	EXAM CODE 31AB
NUMBER OF MODULES: Six (6)		NUMBER OF QUESTIONS	MINIMUM SCORE
031XX – Deck & Navigational Safety + Deck Safety ⁽⁴⁾		30	70
032XX – Navigation General ⁽⁴⁾		30	70
066XX – Rules of the Road – Inland Rules Only		30	90
073XX – Navigation General + Chart Navigation ⁽³⁾		20	90
REC-LK–Local Knowledge ⁽¹⁾			
REC-CS–Chart Sketch ⁽¹⁾			

Notes:

- (1) Individual RECs must maintain and administer a Local Knowledge module which will include, but not be limited to, local information questions. A Chart Sketch module must also be administered. RECs shall establish the passing grades and other criteria, such as time limits and allowable reference material, for these modules.
- (2) This exam is for application for an original license as first class pilot and for an endorsement as first class pilot authorizing service on vessels of not more than 1600 gross registered tons. Applicants for extensions of route and for endorsement as first class pilot on licenses authorizing service on vessels of more than 1600 GRT are only required to successfully complete a local knowledge module and chart sketch for the specific route for which endorsement is sought. (46 CFR 10.707).
- (3) For mariners licensed exclusively for river navigation the following modules may be substituted for the 073XX module.
The 074XX module may be given for licenses limited to navigation solely on Rivers other than Western rivers.
The 075XX module may be given for licenses limited to navigation solely on the Western Rivers.
- (4) Modules 031XX and 032XX were designed for use with examinations for licenses/endorsements for service on vessels of more than 1,600 GRT in accordance with 46 CFR 10.701 and 15.812. Certain questions may not be applicable in all circumstances. These modules may be modified by deleting inapplicable questions and adjusting the scoring basis.

EXAM STRUCTURE SHEET NO. 3 – 77	License Type: License Group: License Action: License Condition:	FIRST CLASS PILOT ANY APPROPRIATE TONNAGE INCREASE IN SCOPE FROM INLAND RULES ONLY TO – INTERNATIONAL & INLAND RULES	EXAM CODE 31AE
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90

Notes: none

EXAM STRUCTURE SHEET NO. 3 - 78	License Type: License Group: License Action: License Condition:	FIRST CLASS PILOT ANY APPROPRIATE TONNAGE RENEWAL	EXAM CODE 31RR
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
039XX – Renewal Exercise ⁽³⁾		50	90
059XX – Rules of the Road – International & Inland ⁽¹⁾⁽³⁾		30	90
069XX – Rules of the Road – Inland Only ⁽¹⁾⁽³⁾		30	90

Notes:

- (1) Applicants take either the 059XX or the 069XX Rules of the road module.
- (2) This ESS is only used for renewal of a First Class Pilot’s license. For renewal of other licenses with First Class Pilot endorsements, use the ESS for the appropriate license.
- (3) Rules of the Road and the Renewal Exercise are both open book.
- (4) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (5) Applicants who successfully complete an approved refresher training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (6) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.

EXAM STRUCTURE SHEET NO. 3 – 79	License Type: License Group: License Action: License Condition:	MATE UNINSPECTED FISHING INDUSTRY VESSEL ORIGINAL ISSUE or RAISE IN GRADE OCEANS	EXAM CODE 38AD
NUMBER OF MODULES: Five (5)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
072X1 – Navigation General		20	70
073XX – Navigation General + Chart Navigation		20	90
078XX – Navigation Problems – Oceans		5	80
381XX – Deck & Nav General + Safety & Environmental Protection		60	70

Note: Applicants for this license are required to qualify as Able Seaman per 46 CFR 10.401. See Exam Structure Sheet 5-1.

EXAM STRUCTURE SHEET NO. 3 – 80	License Type: License Group: License Action: License Condition:	MATE UNINSPECTED FISHING INDUSTRY VESSEL ORIGINAL ISSUE or RAISE IN GRADE NEAR COASTAL	EXAM CODE 38AE
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
072X1 – Navigation General		20	70
073XX – Navigation General + Chart Navigation		20	90
381XX – Deck & Nav General + Safety & Environmental Protection		60	70

Note: Applicants for this license are required to qualify as Able Seaman per 46 CFR 10.401. See Exam Structure Sheet 5-1.

EXAM STRUCTURE SHEET NO. 3 – 81	License Type: License Group: License Action: License Condition:	MATE UNINSPECTED FISHING INDUSTRY VESSEL INCREASE IN SCOPE FROM NEAR COASTAL TO - OCEANS	EXAM CODE 38AF
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
078XX – Navigation Problems – Oceans		5	80

Note: Applicants must also complete the Rules of the Road module if they have not completed it within the preceding twelve months.

EXAM STRUCTURE SHEET NO.3 – 82	License Type: License Group: License Action: License Condition:	MATE UNINSPECTED FISHING INDUSTRY VESSEL RENEWAL OCEANS/NEAR COASTAL	EXAM CODE 38RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road ⁽¹⁾		30	90
389XX – Renewal Refresher Exercise ⁽¹⁾		30	90

Notes:

- (1) The Rules of the Road and the Renewal Exercise modules are both open book.
- (2) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.

EXAM STRUCTURE SHEET NO. 3- 83	License Type: License Group: License Action: License Condition:	MASTER UNINSPECTED FISHING INDUSTRY VESSEL ORIGINAL ISSUE or RAISE IN GRADE OCEANS	EXAM CODE 37AA
NUMBER OF MODULES: Five (5)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
072X1 – Navigation General		20	70
073XX – Navigation General + Chart Navigation		20	90
371XX – Deck & Nav General + Safety & Environmental Protection		70	70
374XX – Navigation Problems - Oceans		10	90

Note: Applicants for this license are required to qualify as Able Seaman per 46 CFR 10.401. See Exam Structure Sheet 5 – 1

EXAM STRUCTURE SHEET NO. 3 – 84	License Type: License Group: License Action: License Condition:	MASTER UNINSPECTED FISHING INDUSTRY VESSEL ORIGINAL ISSUE or RAISE IN GRADE NEAR COASTAL	EXAM CODE 37AB
NUMBER OF MODULES: Four (4)		NUMBER OF QUESTIONS	MINIMUM SCORE
054XX – Rules of the Road		50	90
072X1 – Navigation General		20	70
073XX – Navigation General + Chart Navigation		20	90
371XX – Deck & Nav General + Safety & Environmental Protection		70	70

Note: Applicants for this license are required to qualify as Able Seaman per 46 CFR 10.401. See Exam Structure Sheet 5-1.

EXAM STRUCTURE SHEET NO. 3 – 85	License Type: License Group: License Action: License Condition:	MASTER UNINSPECTED FISHING INDUSTRY VESSEL INCREASE IN SCOPE FROM NEAR COASTAL TO - OCEANS	EXAM CODE 37AC
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
374XX – Navigation Problems – Oceans		10	90

Notes: Applicants must also complete the Rules of the Road module if they have not completed it within the preceding twelve months.

EXAM STRUCTURE SHEET NO. 3 – 86	License Type: License Group: License Action: License Condition:	MASTER UNINSPECTED FISHING INDUSTRY VESSEL RENEWAL OCEANS/NEAR COASTAL	EXAM CODE 37RE
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
059XX – Rules of the Road ⁽¹⁾		30	90
379XX – Renewal Refresher Exercise ⁽¹⁾		30	90

Notes:

- (1) Rules of the Road and the Renewal Exercise are both open book.
- (2) If an applicant does not receive a passing score on the first attempt on either of the above modules then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to take the Rules of the Road or Renewal Exercise modules.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Rules of the Road or Renewal Exercise modules.

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SECTION FOUR

MOBILE OFFSHORE DRILLING UNIT DECK LICENSES

For Licenses to Serve on Mobile Offshore Drilling Units

— As —

BALLAST CONTROL OPERATOR

BARGE SUPERVISOR

OFFSHORE INSTALLATION MANAGER

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EXAM STRUCTURE SHEET INDEX FOR MODU DECK LICENSES

ESS	License Action	License Condition	Page
		Any Waters	
		For deck licenses to serve on Mobile Offshore Drilling Units As:	
		BALLAST CONTROL OPERATOR	
4-1	Original Issue	Any Waters	4-5
4-2	Renewal	Any Waters	4-5
		BARGE SUPERVISOR	
4-3	Original Issue	Any Waters	4-6
4-4	Renewal	Any Waters	4-6
		OFFSHORE INSTALLATION MANAGER	
4-5	Original Issue	Unrestricted	4-7
4-6	Renewal	Unrestricted	4-7

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EXAM STRUCTURE SHEET NO.4 – 1	License Type: License Group: License Action: License Condition:	BALLAST CONTROL OPERATOR MOBILE OFFSHORE DRILLING UNIT ORIGINAL ISSUE ANY WATERS	EXAM CODE 90AA
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
901XX – Mobile Offshore Drilling Unit Operations		50	70
902XX – Deck & Navigation General + Safety + MODU		60	70

Notes: none

EXAM STRUCTURE SHEET NO.4 – 2	License Type: License Group: License Action: License Condition:	BALLAST CONTROL OPERATOR MOBILE OFFSHORE DRILLING UNIT RENEWAL ANY WATERS	EXAM CODE 90RE
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
909XX – Renewal Exercise ⁽¹⁾		30	90

Notes:

- (1) The Renewal Exercise is open book.
- (2) If an applicant does not receive a passing score on the first attempt on the above module then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to take the Renewal Exercise module.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Renewal Exercise module.

EXAM STRUCTURE SHEET NO.4 – 3	License Type: License Group: License Action: License Condition:	BARGE SUPERVISOR MOBILE OFFSHORE DRILLING UNIT ORIGINAL ISSUE ANY WATERS	EXAM CODE 91AA
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
911XX – Mobile Offshore Drilling Unit Operations		50	70
912XX – Deck General + Deck Safety		60	70

Notes: none

EXAM STRUCTURE SHEET NO.4 – 4	License Type: License Group: License Action: License Condition:	BARGE SUPERVISOR MOBILE OFFSHORE DRILLING UNIT RENEWAL ANY WATERS	EXAM CODE 91RE
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
919XX – Renewal Exercise ⁽¹⁾		30	90

Notes:

- (1) The Renewal Exercise is open book.
- (2) If an applicant does not receive a passing score on the first attempt on the above module then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to take the Renewal Exercise module.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Renewal Exercise module.

EXAM STRUCTURE SHEET NO.4 – 5	License Type: License Group: License Action: License Condition:	OFFSHORE INSTALLATION MANAGER MOBILE OFFSHORE DRILLING UNIT ORIGINAL ISSUE UNRESTRICTED	EXAM CODE 92FA
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
921XX – Mobile Offshore Drilling Unit Operations		50	70
922XX – Deck General + Deck Safety ⁽²⁾		60	70

Notes:

- (1) Applicants for an unrestricted endorsement take Module 921XX and Module 922XX.
- (2) Applicants holding a Master, AGT, license are not required to take Module 921XX and Module 922XX for an unrestricted endorsement.
- (3) Applicants for the other endorsements must take module 922XX and the 30-question module(s) that apply to the desired endorsement(s).
 - A. OIM Surface Units on Location use Module 931XX – 30 questions, minimum score 70
 - B. OIM Surface Units underway use Module 941XX – 30 questions, minimum score 70
 - C. OIM Bottom Bearing Units on Location use Module 951XX – 30 questions, minimum score 70
 - D. OIM Bottom Bearing Units Underway use Module 961XX – 30 questions, minimum score 70
- (4) Applicants holding a license with restricting endorsements may have the scope of their license increased to Unrestricted by successfully completing Module 921XX.

EXAM STRUCTURE SHEET NO.4 – 6	License Type: License Group: License Action: License Condition:	OFFSHORE INSTALLATION MANAGER MOBILE OFFSHORE DRILLING UNIT RENEWAL UNRESTRICTED	EXAM CODE 92RE
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
929XX – Renewal Exercise ⁽¹⁾		30	90

Notes:

- (1) The Renewal Exercise is open book.
- (2) If an applicant does not receive a passing score on the first attempt on the above module then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to take the Renewal Exercise module.
- (4) Applicants who wish to renew their license for “continuity purposes only” are not required to take the Renewal Exercise module.

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SECTION FIVE

UNLICENSED DECK RATINGS

For Endorsement of Merchant Mariner Documents

— As —

ABLE SEAMAN

LIFEBOATMAN

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EXAM STRUCTURE SHEET INDEX FOR UNLICENSED DECK RATINGS

ESS	License Action	License Condition	Page
ABLE SEAMAN UNLIMITED, LIMITED, SPECIAL, FISHING INDUSTRY			
5-1	Original Issue	Any Waters	5-5
5-2	Renewal	Any Waters	5-5
ABLE SEAMAN OFFSHORE SUPPLY VESSEL			
5-3	Original Issue	Any Waters	5-6
5-4	Renewal	Any Waters	5-6
ABLE SEAMAN SAIL VESSELS			
5-5	Original Issue	Any Waters	5-7
5-6	Renewal	Any Waters	5-7
ABLE SEAMAN MOBILE OFFSHORE DRILLING UNITS			
5-7	Original Issue	Any Waters	5-8
5-8	Renewal	Any Waters	5-8
ABLE SEAMAN MARLINE SPIKE SEAMANSHIP DEMONSTRATION			
5-9	Practical Demonstration Letter of Proficiency		5-9 5-10
LIFEBOATMAN			
5-10	Original Issue	Any Waters	5-11
5-11	Renewal	Any Waters	5-11
LIFEBOATMAN MOBILE OFFSHORE DRILLING UNITS			
5-12	Original Issue	Any Waters	5-12
5-13	Renewal	Any Waters	5-12
LIFEBOATMAN (LIMITED) SURVIVAL CRAFT			
5-14	Original Issue	Any Waters	5-13
5-15	Renewal	Any Waters	5-13
LIFEBOATMAN PRACTICAL DEMONSTRATIONS			
5-16	Practical Demonstrations Record of Sea Service and Assessments		5-15 5-24

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EXAM STRUCTURE SHEET NO. 5 – 1	License Type: ABLE SEAMAN License Group: UNLIMITED, LIMITED, SPECIAL, FISHING INDUSTRY License Action: ORIGINAL ISSUE License Condition: ANY WATERS	EXAM CODE 45AA
NUMBER OF MODULES: Two (2)	NUMBER OF QUESTIONS	MINIMUM SCORE
451XX – Deck General & Navigation General	50	70
452XX – Deck Safety & Rules of the Road	50	70

Notes:

- (1) Applicants not having a Lifeboatman’s endorsement on their Merchant Mariner Document must also successfully complete the Lifeboatman module in ESS 5 – 10 and the lifeboatman practical in ESS 5 – 16.
- (2) Applicants not wishing to take the lifeboatman module in ESS 5 – 10 may choose instead to take the 441XX Survival Craft module and Part III only of the lifeboatman practical in ESS 5 - 16 and have their endorsement “limited to service on vessels not equipped with lifeboats”.
- (3) Applicants must also complete the practical demonstration found on ESS 5 – 9.
- (4) Applicants for any gross ton licenses are not required to complete this ESS. Their competency is adequately demonstrated in other portions of the assessment process.
- (5) All modules are graded individually.

EXAM STRUCTURE SHEET NO. 5 – 2	License Type: ABLE SEAMAN License Group: UNLIMITED, LIMITED, SPECIAL, FISHING INDUSTRY License Action: RENEWAL License Condition: ANY WATERS	EXAM CODE 45RE
NUMBER OF MODULES: One (1)	NUMBER OF QUESTIONS	MINIMUM SCORE
459XX – Renewal Exercise ⁽¹⁾	30	90

Notes:

- (1) The Renewal Exercise is open book.
- (2) If an applicant does not receive a passing score on the first attempt then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to complete the Renewal Exercise module.

EXAM STRUCTURE SHEET NO. 5 – 3	License Type: License Group: License Action: License Condition:	ABLE SEAMAN OFFSHORE SUPPLY VESSEL ORIGINAL ISSUE ANY WATERS	EXAM CODE 46AA
NUMBER OF MODULES: Three (3)		NUMBER OF QUESTIONS	MINIMUM SCORE
461XX – Deck General & Navigation General		50	70
462XX – Deck Safety & Rules of the Road		50	70
441XX – Survival Craft ⁽²⁾⁽³⁾		50	70

Notes:

- (1) Applicants must complete in addition to module 441XX either an approved course on Proficiency in Survival Craft , or the practical demonstrations found in ESS 5 – 9 and in ESS 5 – 16 Part III – Liferaft Launch Procedures.
- (2) Applicants completing the written and practical demonstrations for lifeboats, liferafts and other survival craft requirements as per 46 CFR 12.10 will not have their document restricted to service on vessels not equipped with lifeboats.
- (3) Applicants who are qualified lifeboatman by having previously completed the 481XX module and all the practical demonstrations in ESS 5 - 14 are not required to complete the 441XX module. Their document is not to be restricted to survival craft.
- (4) All modules are graded individually.

EXAM STRUCTURE SHEET NO. 5 – 4	License Type: License Group: License Action: License Condition:	ABLE SEAMAN OFFSHORE SUPPLY VESSEL RENEWAL ANY WATERS	EXAM CODE 46RE
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
469XX – Renewal Exercise ⁽¹⁾		30	90

Notes:

- (1) The Renewal Exercise is open book.
- (2) If an applicant does not receive a passing score on the first attempt then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to complete the Renewal Exercise module.

EXAM STRUCTURE SHEET NO. 5 – 5	License Type: License Group: License Action: License Condition:	ABLE SEAMAN SAIL VESSEL ORIGINAL ISSUE ANY WATERS	EXAM CODE 43AB
NUMBER OF MODULES: Three (3)		NUMBER OF QUESTIONS	MINIMUM SCORE
431XX – Deck General & Navigation General		50	70
432XX – Deck Safety & Rules of the Road		50	70
441XX – Survival Craft ⁽¹⁾⁽³⁾		50	70

Notes:

- (1) Applicants must complete in addition to module 441XX either an approved course on Proficiency in Survival Craft , or the practical demonstrations found in ESS 5 – 9 and in ESS 5 – 16 Part III – Liferaft Launch Procedures.
- (2) Applicants completing the written and practical demonstrations for lifeboats, liferafts and other survival craft requirements as per 46 CFR 12.10 will not have their document restricted to survival craft.
- (3) Applicants who are qualified lifeboatman by having previously completed the 481XX module and all the practical demonstrations in ESS 5 - 14 are not required to complete the 441XX module. Their document is not restricted to survival craft.
- (4) All modules are graded individually.

EXAM STRUCTURE SHEET NO. 5 – 6	License Type: License Group: License Action: License Condition:	ABLE SEAMAN SAIL VESSEL RENEWAL ANY WATERS	EXAM CODE 43RE
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
439XX – Renewal Exercise ⁽¹⁾		30	90

Notes:

- (1) The Renewal Exercise is open book.
- (2) If an applicant does not receive a passing score on the first attempt then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to complete the Renewal Exercise module.

EXAM STRUCTURE SHEET NO. 5 – 7	License Type: License Group: License Action: License Condition:	ABLE SEAMAN MOBILE OFFSHORE DRILLING UNIT ORIGINAL ISSUE ANY WATERS	EXAM CODE 47AA
NUMBER OF MODULES: Two (2)		NUMBER OF QUESTIONS	MINIMUM SCORE
471XX – Deck General & Navigation General		50	70
472XX – Deck Safety & Rules of the Road		50	70

Notes:

- (1) All modules are graded individually.
- (2) Applicants must also complete the practical demonstration on ESS 5 – 9.
- (3) Applicants not having a Lifeboatman MODU endorsement on their Merchant Mariner Document must also successfully complete the Lifeboatman MODU ESS 5 – 12 and the Lifeboatman practical on ESS 5 – 16.

EXAM STRUCTURE SHEET NO. 5 – 8	License Type: License Group: License Action: License Condition:	ABLE SEAMAN MOBILE OFFSHORE DRILLING UNIT RENEWAL ANY WATERS	EXAM CODE 47RE
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
479XX – Renewal Exercise ⁽¹⁾		30	90

Notes:

- (1) The Renewal Exercise is open book.
- (2) If an applicant does not receive a passing score on the first attempt then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to complete the Renewal Exercise module.

EXAM STRUCTURE SHEET NO. 5 - 9	ABLE SEAMAN MARLINE SPIKE SEAMANSHIP	
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46 CFR 12.05-9 (c) requires applicants for certification as Able Seaman to demonstrate knowledge of the principal knots, bends, splices, and hitches in common use by actually making them. The procedures to be followed and other guidance regarding the demonstration are provided below.

1. **REC responsibilities.** The REC/MU should supply the required materials. Line used for splicing may not be reusable. Line used for knot tying is reusable. For applicants desiring to perform the demonstration at the REC it is suggested you enlist the assistance of a knowledgeable active duty or reserve BM or QM to observe the demonstration. As an alternative you may accept a Letter of Competency similar to that shown on the following page.
2. **Procedures to be followed:**
 - (a) Applicants must satisfactorily complete one (1) splice with strands whipped. This may be either an eye splice or a short splice. Time allowed 15 minutes.
 - (b) After completing the splice, the examiner will select ten knots/hitches from the following list. **Those marked with an asterisk must be included in the selection.** The applicants must tie seven (7) of the knots/hitches correctly to successfully demonstrate proficiency. Time allowed 15 minutes

*BOWLINE	RUNNING BOWLINE
*SQUARE KNOT	BOWLINE ON A BIGHT
*CLOVE HITCH	FISHERMAN'S BEND
*SHEET BEND	TIMBER HITCH
CARRICK BEND	CATSPAW
ROLLING HITCH	FIGURE EIGHT
STOPPER HITCH	BARREL HITCH
FRENCH BOWLINE	ROUND TURN AND TWO HALF HITCHES
STAGE HITCH	DOUBLE BECKET

ABLE SEAMAN
PRACTICAL DEMONSTRATION
LETTER OF PROFICIENCY

Person Observing the Demonstration

1. Your assistance in administering the practical portion of the Able Seaman examination required under 46 CFR 12.05-9(c) is appreciated. Certification of the bearer's ability to demonstrate proficiency in performing the marline spike skills listed in ESS 4-9 will enable the issuance of their Able Seaman's certification.
2. The demonstration of ability shall be witnessed by a designated examiner as part of an approved or accepted training course, a vessel Master or other officer licensed for service on vessels of over 200 gross registered tons, an appropriately trained Coast Guard commissioned (1) or non-commissioned (1) officer, or a responsible person authorized in writing by the Officer in Charge Marine Inspection.

To: Officer in Charge Marine Inspection (Regional Examination Center)

Subj: CERTIFICATION OF PERFORMANCE OF PRACTICAL ABILITY

This is to certify that I observed a successful demonstration of the applicant's proficiency, as indicated on the reverse, in the principal knots, bends, splices and hitches in common use by:

APPLICANT'S NAME: _____

Z NUMBER OR SSN: _____

Certified By:

NAME: _____

Z NUMBER OR SSN: _____

TITLE or RANK/RATE: _____

VESSEL/OFFICE/COURSE: _____

SIGNATURE: _____

DATE: _____

Figure 5.1: Sample AB Practical-Letter of Proficiency

EXAM STRUCTURE SHEET NO. 5 – 10	License Type: License Group: License Action: License Condition:	LIFEBOATMAN ANY APPROPRIATE TONNAGE ORIGINAL ISSUE ANY WATERS	EXAM CODE 48AA
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
481XX – Deck Safety + Rules of the Road		70	70

Notes:

- (1) Applicants for certification as Lifeboatman desiring an endorsement for proficiency in survival craft must meet the provisions of the STCW Regulation VI/2, paragraph 1, and the appropriate provisions of Section A-VI/1 paragraph 2.1.1 and regulations in accordance with 46 CFR 12.10-5.
- (2) Applicants must also complete the Lifeboatman Practical demonstration in ESS 5 – 16 in addition to the written examination indicated above.

EXAM STRUCTURE SHEET NO. 5 – 11	License Type: License Group: License Action: License Condition:	LIFEBOATMAN ANY APPROPRIATE TONNAGE RENEWAL ANY WATERS	EXAM CODE 48RE
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM PASSING GRADE
489XX – Renewal Exercise ⁽¹⁾		20	90

Notes:

- (1) The Renewal Exercise is open book.
- (2) If an applicant does not receive a passing score on the first attempt then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to complete the Renewal Exercise module.

EXAM STRUCTURE SHEET NO. 5 – 12	License Type: License Group: License Action: License Condition:	LIFEBOATMAN MOBILE OFFSHORE DRILLING UNIT ORIGINAL ISSUE ANY WATERS	EXAM CODE 49AA
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
491XX – Deck Safety + Rules of the Road		50	70

Notes:

- (1) This endorsement is only to be used for testing industrial workers employed on offshore drilling platforms and does not apply in qualifying for ratings forming part of a navigational watch.
- (2) Applicants must also complete the Lifeboatman Practical demonstration in ESS 5 – 16 in addition to the written examination indicated above.

EXAM STRUCTURE SHEET NO. 5 – 13	License Type: License Group: License Action: License Condition:	LIFEBOATMAN MOBILE OFFSHORE DRILLING UNIT RENEWAL ANY WATERS	EXAM CODE 49RE
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
489XX – Renewal Exercise ⁽¹⁾		20	90

Notes:

- (1) The Renewal Exercise is open book.
- (2) If an applicant does not receive a passing score on the first attempt then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to complete the Renewal Exercise module.

EXAM STRUCTURE SHEET NO. 5 – 14	License Type: License Group: License Action: License Condition:	LIFEBOATMAN (LIMITED) SURVIVAL CRAFT ORIGINAL ISSUE ANY WATERS	EXAM CODE 44BA
-NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
441XX – Survival Craft		50	70

Note: Applicants must complete in addition to module 441XX either an approved course on Proficiency in Survival Craft , or the practical demonstrations sited in ESS 5 – 9 and in ESS 5 – 16 part III – Liferaft Launch Procedures and are limited to service on vessels not equipped with lifeboats.

EXAM STRUCTURE SHEET NO. 5 – 15	License Type: License Group: License Action: License Condition:	LIFEBOATMAN (LIMITED) SURVIVAL CRAFT RENEWAL ANY WATERS	EXAM CODE 44RE
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
449XX – Renewal Exercise ⁽¹⁾		20	90

Notes:

- (1) The Renewal Exercise is open book.
- (2) If an applicant does not receive a passing score on the first attempt then they should be allowed the opportunity to correct the questions they have missed and be re-graded for the second attempt. If they still fail on the second attempt, they should then be given a different module for the third and final try before undergoing a two-month waiting period.
- (3) Applicants who successfully complete an approved refresher training course are not required to complete the Renewal Exercise module.

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EXAM STRUCTURE SHEET NO. 5 – 16	LIFEBOATMAN PRACTICAL DEMONSTRATION	
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46 CFR 12.10-5(a) requires applicants for certificates or endorsement as lifeboatman to demonstrate their ability to effectively carry out all the duties that may be required of a lifeboatman. They must demonstrate that the training they have received has been effective in all operations connected with the launching of lifeboats, liferafts, and other survival craft; that they can understand and carry out the usual orders given, in English, incident to launching and recovery of survival craft; that can demonstrate the practical skills in the handling of lifeboats and the use of oars; and that they are capable of taking command of the crew of a lifeboat or other survival craft.

1. **REC responsibilities.** Applicants for lifeboatman and not having completed an approved course are to be administered the appropriate written examination. For applicants needing to perform and be assessed in skill demonstrations, personnel in the REC should not be required to conduct these assessments unless the full scale equipment and assistance of a knowledgeable active duty or reserve BM or QM is available to observe the demonstration. As an alternative you may accept a Letter of Proficiency similar to the one shown on page 5-23. Applicants may only use one-quarter scale models to describe or identify components of a lifeboat provided in PART I, page 152. Only actual equipment may be used to demonstrate the proficiencies listed in Parts II and III in the use of survival craft. The services of a boat and crew are required in Part II to demonstrate ability to handle a lifeboat and command a crew underway which are typically not available at all RECs.

2. **Procedures to be followed:**
 - (a) **PART I – COMPONENT IDENTIFICATION.** Applicants must identify the equipment used in lifeboats and other survival craft. Ideally this will be done using the actual equipment. They should describe under what circumstances and in which craft the equipment would be found, the method in which it is used, and any special precautions regarding its construction or use. For the purpose of standardization award 1 point for identification and 1 point for description as per the checklist provided. Time allowed 30 minutes. Applicant must accumulate a minimum of 70 points to demonstrate proficiency.

 - (b) **PART II - PROCEDURES.** The applicant must be assessed as to their proficient performance of the skills involved in the launching, handling and recovering of a lifeboat (PARTS II-1, II-2 and II-3). The processes shown in Column A are to be compared to the standards provided in the checklist on pages 5 – 17 through 5 – 20. Time allowed is 60 minutes.

 - (c) **PART III – PROCEDURES.** An applicant for Lifeboatman or Lifeboatman Limited must demonstrate the procedural steps involved in the launching, righting and boarding of liferafts. An applicant for lifeboatman limited to vessels not equipped with lifeboats must have successfully completed module ESS 5 –14 and have demonstrated the ability to launch and board a liferaft. Time allowed is 30 minutes.

**LIFEBOATMAN
PRACTICAL DEMONSTRATION**

**PART I COMPONENT
IDENTIFICATION**

Reference: 46 CFR 199.175

<u>COMPONENT</u>	<u>POINTS</u>	<u>COMPONENT</u>	<u>POINTS</u>
Bailer		Provisions	
Bilge pump		Pump	
Boathook		Radar reflector	
Bucket		Rainwater collection device	
Can Opener		Repair kit	
Compass		Sea anchor	
Dipper		Searchlight	
Drinking Cup		Seasickness kit	
Fire extinguisher		Signal, smoke	
First aid kit		Signal, hand flare	
Flashlight		Signal, parachute flare	
Hatchet		Skates and fenders	
Heaving Line		Sponge	
Instruction card		Survival instructions	
Jackknife		Table of lifesaving signals	
Knife (non-folding)		Thermal protective aids	
Ladder		Tool kit	
Mirror,		Towline	
Oars/Paddles		Water	
Painters		Whistle	

LIFEBOATMAN PRACTICAL DEMONSTRATION	PART II-1 PROCEDURES
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Applicants shall demonstrate their ability to prepare and safely launch survival craft and clear the ship's side quickly; give the correct commands for launching and boarding survival craft, clear the ship and handling and disembarking persons from survival craft. These checklists represent one set of assessment criteria for determining the success of these performance demonstrations. Others may be used such as those enclosed with NMC Policy Letter 08-01.

PART II-1 LIFEBOAT LAUNCH PROCEDURES			
Applicant performs or describes in detail the steps involved in the lowering and launching of a lifeboat from gravity type davits. Applicant must identify at least forty (40) of the steps listed in this column in order to be asked the questions in column B for the steps omitted in column A. If an applicant fails to initially describe forty (40) steps in column A, it is a failure.	A	Questions for the Examiner to ask an applicant for a step he has failed to include in column A. If an applicant correctly answers a question for a step he omitted give him credit in column B. The total of the credits in column A and B of Parts II-1 and II-3 combined is the final score. Seventy (70) points is the passing grade. (For further information see NMC Policy Letter 08-01.)	B
Muster the crew.		How do you know everyone assigned is present?	
Ensure that each crewmember knows their duties. Reassign tasks for missing individuals.		How do you know the crew is trained? Where are the duties of the crew listed?	
Ensure crew and passengers are protectively dressed including appropriate head covering.		How should persons who are preparing to abandon ship be dressed?	
Ensure that launching crew is wearing hard hats.		What head covering should the launching crew be wearing?	
Verify that crewmembers bring assigned equipment.		What should crewmembers bring to the launching station?	
Ensure crew and passengers have properly donned lifejackets and immersion suits.		Where are immersion suits not required? (32N to 32S)	
Ensure lifejackets and immersion suits have proper equipment in good working order.		What should be attached to a lifejackets and immersion suits to attract attention?	
Check vessel's list to determine if the lifeboat can be launched.		What can prevent the lifeboat from being launched?	
Remove lifeboat stowage cover and strongback. Stow clear of launch and debarkation area.		What protects the interior of a stowed lifeboat?	
Ensure tricing pendants are properly rigged and secure.		How should the trip lines on the McCluney hooks be led?	

PART II-1 LIFEBOAT LAUNCH PROCEDURES (continued)

Ensure Rottmer release gear handle pinned in closed position and has clear path to open.		What prevents accidental release of the lifeboat from the falls?	
Ensure boat drain cap in place and secure.		How is water prevented from entering the boat through its drain?	
Ensure there are sufficient oars and a compass.		How do you propel the vessel and steer a course?	
Ensure that davit tracks are clear and there are no obstructions below.		What should be checked to ensure that the lifeboat can be lowered safely?	
Release manropes (lifelines) and ensure they will run free as boat lowers.		What is provided to protect the occupants in case the boat was to fall unexpectedly?	
Ship rudder and/or tiller.		What is a sweep oar?	
Have sea painter led out, made fast forward as close to water as possible, with all slack removed.		How do you ensure the waterborne boat will lie alongside at the embarkation station?	
Ensure painter properly led inboard of forward falls, outboard of everything else.		What could cause the sea painter to foul during the launch process?	
Ensure sea painter is properly made fast to forward inboard thwart.		Where is the sea painter made fast in the boat?	
Ensure toggle pin has a clear release path and releases into boat.		How do you ensure a "clean" release of the sea painter when so ordered?	
Ensure everyone is out of boat.		How do you prevent injury to occupants while lowering the boat to the embarkation deck?	
Have gripes released, removed, and stowed clear of launch and embarkation areas.		What happens to the gripes after they are released?	
Ensure locking bar swung clear of track.		What fitting or part locks the boat in the stowed position?	
Have embarkation ladder made ready for use. Remove cover. Ensure made fast to deck.		How will the winch operator get off the ship?	
Ensure no personnel or other obstruction in lowering path.		What should be checked prior to lowering to prevent damage to the boat or injury to people on deck?	
Have lifeboat lowered at a steady speed to the embarkation deck and brought alongside easily.		What speed should be used to lower the lifeboat and bring it alongside the embarkation deck?	
Ensure strain on tricing pendants just enough to hold boat securely alongside at embark deck.		What happens if you continue to try to lower the boat past the embarkation deck?	
Have frapping lines passed and secured to the cleat on the davit arm with figure eights.		What helps to prevent occupants from being thrown from the boat when the tricing pendants are released?	

PART II-1 LIFEBOAT LAUNCH PROCEDURES (continued)

Order crew and passengers into the boat.		How should load be distributed in boat?	
Order everyone to be seated, using manropes.		What should occupants do while the boat is being lowered?	
Have tricing pendants released.		What happens if you continue to lower the boat below the embarkation deck?	
Have frapping lines eased out slightly.		What keeps the boat from swinging while being lowered?	
Order boat lowered.		What speed should be used in lowering the boat?	
When safely waterborne order boat released.		Ideally, when should boat be released? (crest of wave or swell)	
Order engine started or oars deployed.		How do you propel the lifeboat?	
Shove off.		How do you get the boat heading away from the ship's side? (use boathook not hands)	
Swing clear of ship.		If vessel has way on what helps boat sheer away from ship?	
Release sea painter.		What should you do once the boat has swung clear of the ship's side?	
Look for, and assist, survivors.		What should you look for once safely clear of ship?	
Join other boats.		What helps aircraft sight vessel survivors?	

**LIFEBOATMAN
PRACTICAL DEMONSTRATION**

PART II-2 OAR COMMANDS

Ref: American Merchant Seaman's Manual

<u>COMMAND</u>	<u>MEANING</u>	<u>DEMONSTRATED CORRECTLY</u>
STAND BY THE OARS	Each crewmember clears oar, ships rowlock, places blade flat on gunwale forward, inboard of person in front of them.	
SHOVE OFF	Inboard bowman pushes off using boathook. When ordered, bowman releases sea painter.	
OUT OARS	Place oars in rowlocks directly from the boated position or from "Stand By The Oars" position. Oars horizontal, at right angles to keel, blades flat.	
STAND BY TO GIVE WAY	Hold oar horizontally, blades perpendicular, with the wrists straight and arms extended full length; leans forward until knuckles almost touch the back of the person in front.	
GIVE WAY TOGETHER	Blades of oars are swung forward and dipped into the water. At the command, "Together", the stroke is started. At the end of the stroke, blades are feathered, swung forward, and another stroke is started.	
HOLD WATER	Complete the stroke, stop rowing, drop blade into water vertically, and gradually swing to a position at right angles to the keel, taking care not to overstress rowlock.	
PORT (STARBOARD) HOLD WATER	Used to turn boat more quickly. Ordered side completes stroke and holds water, other side continues to row. With boat stopped can be used with "Give Way" command to opposite side to turn boat while gathering minimal headway.	
STERN ALL	When rowing ahead, complete the stroke, and then commence to backwater, gradually increasing the depth of the blades.	
BACK WATER	Row in the astern direction	
OARS	Complete the stroke, stop rowing, and bring the oars horizontal, at right angles to the keel, with the blades held flat.	
TRAIL OARS	Complete stroke and carefully allow oar to trail alongside, fore and aft.	
BANK OARS	Given from the "Oars" position. Allows oarsmen to rest when laying to. Oars drawn through the rowlock and rested on opposite gunwale	
IN BOWS	The bowmen complete the stroke, swing their oars forward, and boat them. They then stand by with boat hooks to fend off or receive a line.	
WAY ENOUGH	Given when approaching a landing. Complete stroke, toss oars to about 45 degrees and boat the oars, forward oars first, unship the rowlocks	
BOAT THE OARS	From "Oars" or "Toss Oars", place the oars in the boat on side thwart, blades forward.	

PART II-3 LIFEBOAT RECOVERY PROCEDURES

Applicant performs or describes in detail the steps involved in the recovery of a lifeboat with gravity type davits. Grade with Part II-1	A	Questions to assist the Examiner in assessing the applicant's competence when they have failed to include an item in Column "A".	B
Request and receive permission to come alongside.		How do you communicate with the ship from a lifeboat? What is the signal to recover the boat?	
Inspect Rottmer release gear for free rotation.		What do you check on the releasing gear?	
Come alongside slightly forward of falls.		To what position should you aim during your approach to the ship?	
Retrieve and secure sea painter to thwart.		How is the boat secured to the ship?	
Maneuver into position under the davit heads.		Where does the sea painter position the boat?	
Have the frapping lines eased out.		What keeps the falls clear as boat maneuvers into position alongside	
Have hooks engaged without twists in the falls..		What do you do you check for when hooking the lifeboat to the falls?	
Have releasing gear secured.		What prevents accidental release of hooks?	
Have boat raised to just short of davit head.		How high is boat raised? Why?	
Have tricing pendants rigged.		What prevents a Pelican hook from opening accidentally?	
Have boat lowered to embarkation deck.		How is boat brought alongside at embarkation deck?	
Order occupants to disembark.		How could occupants disembark from boat prior to raising?	
Have cap removed from drain. Have automatic drain ball checked for free flow of water.		How do remove standing water from boat?	
Stow frapping lines and the sea painter.		What do you do with the frapping lines and the sea painter?	
Have tracks and travel path checked for obstructions.		What should be done prior to raising boat to prevent jamming while raising?	
Have boat raised.		After checking that the tracks are clear and there are no obstructions, what do you do next?	
Have limit switch operation checked.		What automatic device prevents the boat from being raised too far?	
Have boat raised until about 12 inches short of the mechanical stops or stowed position.		Where are the inboard ends of gripes secured?	
Secure power to the winch.		When should power to the winch be secured?	
Prevent use of the winch brake while hand crank is in place.		What care should be taken with the winch brake while hand crank is in place?	
Hand crank winch to mechanical stops.		What safety feature prevents injury if power down activated while hand raising the boat?	
Connect and tighten gripes and locking bar.		What prevents a secured boat from lowering?	
Lower boat until it rests on keel stops.		Does a fully raised boat rest on its keel?	
Have all gear properly stowed in boat.		What should be done with the boat's gear?	
Replace strongback and cover, if fitted.		What do you replace before securing the drill?	

PART III LIFERAFT LAUNCH PROCEDURES

Applicant performs or describes in detail the steps involved in launching and boarding an inflatable liferaft. Applicant must describe at least ten (10) steps correctly in order to be asked the questions from part B for the omitted steps.	A	Questions for the examiner to ask an applicant for a step he has failed to include in column A. If an applicant correctly answers a question for a step he omitted give him credit in column B. Each credit in columns A and B is worth five percentage points. Seventy percent is passing.	B
Muster crew and passengers at raft		How do you know everyone assigned to the craft is present?	
Ensure everyone knows duties		Where are survival craft assignments and duties listed?	
Ensure every one dressed properly		Describe what people should and should not be wearing or carrying?	
Secure painter directly to vessel		Why is a cleat installed in the vicinity of the liferaft station?	
Have strap released that secures raft to cradle		Describe the different methods of releasing a liferaft from its cradle.	
Have raft container carried to launch point		How many crewmembers does it take to safely carry and launch a liferaft?	
Check for obstructions below		What do you check immediately prior to launching the liferaft?	
Have raft thrown into water		What equipment is used to launch the liferaft?	
Have painter pulled out to end		What do you do with the liferaft painter?	
Have painter pulled sharply to inflate raft		How do you inflate a liferaft?	
Have crew and passengers board raft		Describe the different methods of boarding a raft.	
Have crewmember right inverted raft		What do you do in the raft inflates in the inverted position? How do you hold on to the raft while trying to right it?	
Have painter cut to releases		How do you cast off the painter?	
Have raft paddled clear of vessel		How do you propel the raft clear of the vessel?	
Look for, and assist, survivors		What should you do once safely clear of the vessel's side?	
Have sea anchor deployed		What keeps the raft from drifting downwind?	
Ensure liferaft interior has adequate ventilation		Should you seal up all openings to preserve warmth?	
Have double bottom inflated		How do you prevent heat from escaping to the seawater? How do you inflate the double bottom?	
Have all rafts lashed together		What helps searchers spot waterborne survivors from the air?	
Assign watchstanding and other duties		What duties should be assigned to occupants?	

LIFEBOATMAN
PRACTICAL DEMONSTRATION

The forms on pages 5-24 and 5-25 appear in NMC Policy Letter 08-01, as pages 13 and 15, and are to be completed when candidate has been assessed in their performance of skills on board a vessel on lifeboat proficiency.

RECORD OF QUALIFYING SEA SERVICE

This record of the sea service acquired by _____, MMD no. _____, will be used to qualify for a lifeboatman's endorsement or certification as proficient in survival craft. It should be signed by the mariner's department head indicating the dates of service, and the number of abandon ship drills in which the mariner participated.

VESSEL	ROUTE ¹	SIGNED ON/ DISCHARGED	DATES OF ABANDON SHIP DRILLS ²	DATES BOAT LOWERED TO WATER AND CREW EXERCISED ³	SIGNATURE (Include MMD no.)
		/			
		/			
		/			
		/			
		/			
		/			
		/			
		/			
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- Notes:
1. Insert O for ocean routes; NC for near coastal routes; GL for Great Lakes routes; LBS for other lakes and bays or sounds.
 2. Only include dates where the crew was instructed in abandon ship procedures and the launching and handling of survival craft
 3. Only include a date in this column if the mariner served as member of the boat crew that was exercised at oars, otherwise insert NA.

**RECORD OF COMPLETION OF PRACTICAL ASSESSMENTS TO QUALIFY AS A
LIFEBOATMAN AND AS PROFICIENT IN SURVIVAL CRAFT**

This checklist conveniently groups the STCW's competencies and the supporting knowledge, understandings, and proficiencies that apply to certification as proficient in survival craft and to issuance of a lifeboatman certification. Assessors who witness the successful demonstration of a mariner's competency, performed in accordance with the assessment standards, should sign the appropriate line in this checklist, print their name, and include their license number.

MARINER'S NAME _____ MMD NO. _____

<i>STCW COMPETENCY</i>	<i>DATE</i>	<i>VESSEL/ TRAINING FACILITY</i>	<i>SIGNATURE/LIC. NO.*</i>
<i>I. LAUNCHING AND RECOVERY OF LIFEBOATS</i>			
<i>1. Command launching the lifeboat</i>			
<i>2. Prepare and safely launch a lifeboat</i>			
<i>3. Safely recover a lifeboat</i>			
<i>4. Start and operate a lifeboat's engine</i>			
<i>5. Steer (command) a lifeboat under oars</i>			
<i>6. Row a lifeboat</i>			
<i>7. Use lifeboat equipment</i>			
<i>8. Rig devices to aid detection</i>			
<i>II. LAUNCHING AND RECOVERY OF RESCUE BOATS</i>			
<i>1. Command launching the rescue boat</i>			
<i>2. Launch the rescue boat</i>			
<i>3. Operate the rescue boat during launch – Act as coxswain</i>			
<i>4. Operate the rescue boat during launch – Act as boat crew</i>			
<i>5. Operate the rescue boat during recovery</i>			
<i>6. Command the rescue boat during recovery</i>			

* By signing, I acknowledge that I have had at least one year of sea service in a licensed capacity within the past five years and that I am serving as a licensed officer on the vessel upon which these assessments are being performed.

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SECTION SIX

MISCELLANEOUS ITEMS

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**EXAM STRUCTURE SHEET INDEX
FOR
MISCELLANEOUS ITEMS**

ESS	License Action	License Condition	Page
		AUXILARY SAIL	
6-1	Add Endorsement	Any Waters	6-5
		ASSISTANCE TOWING	
6-2	Add Endorsement	Any Waters	6-5

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EXAM STRUCTURE SHEET NO. 6 – 1	License Type: License Group: License Action: License Condition:	AUXILLIARY SAIL ANY APPROPRIATE TONNAGE ADD ENDORSEMENT ANY WATERS	EXAM CODE 018A
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
018XX – Deck Safety + Rules of the Road		20	70

Notes: none

EXAM STRUCTURE SHEET NO. 6 – 2	License Type: License Group: License Action: License Condition:	ASSISTANCE TOWING ANY APPROPRIATE TONNAGE ADD ENDORSEMENT ANY WATERS	EXAM CODE 017A
NUMBER OF MODULES: One (1)		NUMBER OF QUESTIONS	MINIMUM SCORE
017XX – Deck General		20	70

Notes:

- (1) Applicants seeking assistance towing endorsement to licenses for vessels of not more than 200 gross registered tons an Operator of Uninspected Passenger Vessels must complete this module.
- (2) Mariners who hold a license as Apprentice Mate (Steersman) of Towing Vessels may qualify for a Commercial Assistance Towing endorsement without examination.