

1965/222

**THE MASTERS (RESTRICTED HOME-TRADE AND FISHING
BOATS) EXAMINATION REGULATIONS 1961, AMENDMENT
NO. 2**

—
BERNARD FERGUSSON, Governor-General

ORDER IN COUNCIL

At the Government Buildings at Wellington this 20th day of December
1965

Present:

THE RIGHT HON. KEITH HOLYOAKE, C.H., PRESIDING IN COUNCIL

PURSUANT to the Shipping and Seamen Act 1952, His Excellency the
Governor-General, acting by and with the advice and consent of the
Executive Council, hereby makes the following regulations.

—
REGULATIONS

1. (1) These regulations may be cited as the Masters (Restricted Home-Trade and Fishing Boats) Examination Regulations 1961, Amendment No. 2, and shall be read together with and deemed part of the Masters (Restricted Home-Trade and Fishing Boats) Examination Regulations 1961* (hereinafter referred to as the principal regulations).

(2) These regulations shall come into force on the 1st day of February 1966.

2. (1) The principal regulations are hereby amended by revoking regulation 3, and substituting the following regulation:

“3. **Certificates of competency or service**—(1) Examinations may be held under these regulations for the following certificates of competency granted under the authority of section 19 (1) of the said Act, namely:

- “(a) Master of small home-trade ship:
- “(b) Skipper of deep-sea fishing boat:
- “(c) Skipper of coastal fishing boat:
- “(d) Master of river ship:
- “(e) Master of restricted-limit launch.

*S.R. 1961/42
Amendment No. 1: S.R. 1964/95

“(2) Examinations may also be held under these regulations for the issue of the following certificates:

- “(a) Master of pleasure yacht (first-grade):
- “(b) Master of pleasure yacht (second-grade):
- “(c) Local launchman’s licence.

“(3) Examinations may also be held under these regulations for endorsement of certificates of competency or of service as skipper of coastal fishing boat to act as mate of deep-sea fishing boat.

“(4) A certificate of service as skipper of coastal fishing boat may be granted to a person who—

- “(a) Makes application for such a certificate to the Secretary for Marine before the 1st day of February 1968; and
- “(b) Satisfies the Secretary that before the 1st day of February 1966 he had served for at least five years at sea of which at least two years were served as master of a coastal fishing boat.

“(5) Where the holder of a certificate of competency or of service as skipper of coastal fishing boat passes the prescribed examination for endorsement as mate of deep-sea fishing boat, the certificate shall be endorsed accordingly.

“(6) Where the holder of or applicant for such a certificate of service satisfies the Secretary for Marine that before the 1st day of February 1966 he had served at least two years at sea as master of a coastal fishing boat exceeding 30 ft register length, the certificate shall be endorsed accordingly.

- “(7) A local launchman’s licence may be granted to a person who—
- “(a) Makes application for such a licence to the Secretary for Marine before the 1st day of February 1968; and
- “(b) Satisfies the Secretary that before the 1st day of February 1966 he had served for at least three years at sea in a fishing boat, of which not less than six months were served as master.”

(2) The principal regulations are hereby further amended—

- (a) By inserting in regulation 11, after the words “Candidates for examination”, the words “or for a certificate of service or a local launchman’s licence by service”:
- (b) By omitting from subclause (5) of regulation 42 (as added by regulation 15 (2) of the Masters (Restricted Home-Trade and Fishing Boats) Examination Regulations 1961, Amendment No. 1) the words “pleasure yacht”, and substituting the words “pleasure yacht (first-grade)”:
- (c) By omitting from the heading before regulation 69, and also from the first paragraph of that regulation, the words “pleasure yacht”, and substituting in each case the words “pleasure yacht (first-grade)”:
- (d) By omitting from the heading to the specimen set of examination papers for master of pleasure yacht in Appendix A the words “pleasure yacht”, and substituting the words “pleasure yacht (first-grade)”.

(3) Every certificate of competency as master of pleasure yacht in force at the commencement of these regulations shall be deemed to be a certificate of competency as master of pleasure yacht (first-grade).

3. (1) Regulation 4 of the principal regulations is hereby amended by revoking subclause (2), and substituting the following subclause:

“(2) Certificates of competency, certificates of service, and endorsements shall be in the prescribed form.”

(2) Regulation 2 of the principal regulations is hereby amended by inserting in subclause (1), after the definition of the term “certificate”, the following definition:

“‘Prescribed form’ means a form approved by the Minister pursuant to section 24 or section 502 of the said Act:”.

(3) The principal regulations are hereby further amended—

(a) By omitting from subclause (1) of regulation 6 the words “form 3 in the Schedule to these regulations”, and substituting the words “the prescribed form”:

(b) By omitting from subclause (2) of regulation 6 the words “form 4 in the Schedule to these regulations”, and substituting the words “the prescribed form”:

(c) By omitting from subclause (3) of regulation 6 (as added by regulation 2 (1) of the Masters (Restricted Home-Trade and Fishing Boats) Examination Regulations 1961, Amendment No. 1) the words “form 6 in the Schedule to these regulations”, and substituting the words “the prescribed form”:

(d) By omitting from subclause (3) of regulation 7 the words “according to form 5 in the First Schedule to these regulations”, and substituting the words “in the prescribed form”:

(e) By revoking the Schedule thereto.

(4) The Masters (Restricted Home-Trade and Fishing Boats) Examination Regulations 1961, Amendment No. 1, are hereby consequentially amended by revoking subclauses (2) and (3) of regulation 2 and the Schedule to those regulations.

4. (1) Regulation 6 of the principal regulations is hereby amended by revoking subclause (4) (as added by regulation 2 (1) of the Masters (Restricted Home-Trade and Fishing Boats) Examination Regulations 1961, Amendment No. 1), and substituting the following subclause:

“(4) The holder of a local launchman’s licence may, upon application to the Secretary for Marine, and at the discretion of the Principal Examiner of Masters and Mates, have his licence endorsed with the names of additional ships or areas. An endorsement with the names of additional ships shall be made only when the additional ships are similar and engaged in like service to the ship for which the original licence was issued. An application for endorsement with the names of new areas must be supported by proof that the licence holder has at least one month’s service in each of the areas for which the endorsement is required. Where necessary, a pass in the whole or part of the examination for local launchman’s licence may be required for such an endorsement.”

(2) Regulation 6 of the principal regulations (as amended by subclause (1) of this regulation) is hereby further amended by adding the following subclause:

“(5) When the holder of a certificate of competency not lower than skipper of coastal fishing boat or of a certificate of service as skipper of coastal fishing boat passes the examination for endorsement to act as mate of deep-sea fishing boat, this qualification shall be endorsed on his certificate in the prescribed form.”

5. (1) The principal regulations are hereby further amended by revoking regulation 10, and substituting the following regulation:

“10. **Examination arrangements**—(1) Examinations for certificates, licences, or endorsements shall be held as follows:

“(a) Auckland: First Monday or Tuesday in every month except January:

“(b) Wellington: First Monday or Tuesday in every month except January, and also at other times by arrangement with the Principal Examiner of Masters and Mates:

“(c) Lyttelton and Dunedin: By arrangement with the Principal Examiner of Masters and Mates:

“(d) Examinations may, at the discretion of the Principal Examiner of Masters and Mates, and if there are sufficient candidates offering for examination, be held at ports and days other than those specified in this subclause:

“(e) In respect of the voluntary examination for a certificate as master of pleasure yacht (first-grade) or master of pleasure yacht (second-grade), the Principal Examiner of Masters and Mates may arrange for the written part of the syllabus to be conducted under the supervision of approved supervisors, under such conditions as he specifies, at places other than the ports specified in paragraphs (a) to (c) of this subclause.

“(2) The examination days herein specified are liable to occasional alteration.”

(2) Regulation 4 of the Masters (Restricted Home-Trade and Fishing Boats) Examination Regulations 1961, Amendment No. 1, is hereby consequentially revoked.

6. (1) Regulation 23 of the principal regulations is hereby amended by revoking subclause (1), and substituting the following subclause:

“(1) Every candidate for a certificate (other than a certificate of service as skipper of coastal fishing boat or a local launchman's licence by service) must produce a certificate issued by the St. John Ambulance Association, the St. Andrew's Ambulance Association, the British Red Cross Society, or other body approved by the Secretary for Marine, or a certificate by a registered medical practitioner, to the effect that he has passed an examination in first aid to the injured.”

(2) Regulation 5 of the Masters (Restricted Home-Trade and Fishing Boats) Examination Regulations 1961, Amendment No. 1, is hereby consequentially revoked.

7. (1) Regulation 24 of the principal regulations is hereby amended—

(a) By inserting in subclause (1), after the words “candidate for certificate”, the words “by examination”:

(b) By omitting from subclause (1) the words “three months”, and substituting the words “six months”.

(2) Regulation 24 of the principal regulations is hereby further amended by revoking subclause (2), and substituting the following subclause:

“(2) A reduced standard of vision shall be accepted in respect of candidates for the following certificates:

“(a) Skipper of coastal fishing boat:

“(b) Master of pleasure yacht (first-grade):

“(c) Master of pleasure yacht (second-grade):

“(d) Local launchman’s licence.”

(3) Regulation 24 of the principal regulations (as amended by regulation 6 (2) of the Masters (Restricted Home-Trade and Fishing Boats) Examination Regulations 1961, Amendment No. 1) is hereby further amended by adding the following subclause:

“(5) Candidates for the certificate as skipper of coastal fishing boat or for the voluntary certificate as master of pleasure yacht (first-grade) or master of pleasure yacht (second-grade), and candidates for the local launchman’s licence, when examined at places other than the four main ports, may be tested for colour vision by approved methods, other than the lantern test, to the satisfaction of the Examiner.”

8. (1) The principal regulations are hereby further amended by revoking regulation 26 (as substituted by regulation 7 of the Masters (Restricted Home-Trade and Fishing Boats) Examination Regulations 1961, Amendment No. 1), and substituting the following regulation:

“26. **Skipper of deep-sea fishing boat**—(1) A candidate for a certificate as skipper of deep-sea fishing boat must be not less than 23 years of age.

“(2) He must hold a certificate of competency not lower than skipper of coastal fishing boat or skipper of home-trade fishing boat or Board of Trade certificate of competency as skipper (limited) or a certificate of service as skipper of coastal fishing boat.

“(3) He must have served at sea for a period of at least 12 months as mate of a deep-sea fishing boat, while holding a certificate or qualification not lower than the endorsement of mate of deep-sea fishing boat, or for a period of at least six months as skipper of a coastal fishing boat while holding a certificate of competency not lower than skipper of coastal fishing boat or a certificate of service as skipper of coastal fishing boat and an additional period of at least six months as mate of a deep-sea fishing boat while holding the certificate endorsed as mate of deep-sea fishing boat.

“(4) Watch-keeping sea service equivalent to that required by subclause (3) of this regulation shall be accepted, provided the candidate has not less than 12 months’ service in fishing boats.”

(2) Regulation 7 of the Masters (Restricted Home-Trade and Fishing Boats) Examination Regulations 1961, Amendment No. 1, is hereby consequentially revoked.

9. The principal regulations are hereby further amended by inserting, after regulation 26, the following regulation:

“26A. **Mate of deep-sea fishing boat**—(1) A candidate for the endorsement as mate of deep-sea fishing boat must be not less than 21 years of age.

“(2) He must hold a certificate of competency not lower than skipper of coastal fishing boat or a certificate of service as skipper of coastal fishing boat.”

10. (1) The principal regulations are hereby further amended by revoking regulation 27, and substituting the following regulation:

“27. **Skipper of coastal fishing boat**—(1) A candidate for a certificate of competency as skipper of coastal fishing boat must be not less than 21 years of age.

“(2) He must have served at least three years at sea or two years at sea and one year in extended river limits.

“(3) He must have served not less than one year in fishing boats, of which time not less than six months must have been served in fishing boats over 30 ft register length.”

(2) Regulation 8 of the Masters (Restricted Home-Trade and Fishing Boats) Examination Regulations 1961, Amendment No. 1, is hereby consequentially revoked.

11. (1) The principal regulations are hereby further amended by revoking regulation 30, and substituting the following regulation:

“30. **Master of pleasure yacht (first-grade)**—(1) A candidate for a certificate as master of pleasure yacht (first-grade) must have had at least three years' experience in pleasure yachts or its equivalent, and must be not less than 19 years of age.

“(2) The examination for this certificate is voluntary, and is confined to those persons who have served in pleasure yachts.”

(2) Regulation 11 of the Masters (Restricted Home-Trade and Fishing Boats) Examination Regulations 1961, Amendment No. 1, is hereby consequentially revoked.

12. The principal regulations are hereby further amended by inserting, after regulation 30, the following regulation:

“30A. **Master of pleasure yacht (second-grade)**—(1) A candidate for a certificate of competency as master of pleasure yacht (second-grade) must be not less than 16 years of age.

“(2) The examination for this certificate is voluntary.”

13. (1) Regulation 31 of the principal regulations is hereby amended—

(a) By inserting in subclause (1), after the words “launchman's licence”, the words “by examination”:

(b) By adding to subclause (2) the words “within the period of 12 months immediately preceding his application to be examined”.

(2) Regulation 31 of the principal regulations is hereby further amended by adding the following subclause:

“(4) A candidate must state in his application for a local launchman's licence the name of the launch or launches he intends to operate and the exact area or areas of operation.”

14. Regulation 32 of the principal regulations is hereby amended by revoking paragraphs (b) and (c) of subclause (4), and substituting the following paragraphs:

“(b) A letter from the candidate's employer stating the dates of employment, the ship employed upon, and its register length and the locality in which the service was performed; or

“(c) A statutory declaration made by the candidate setting out in full his service, names of ships and their register lengths, dates of employment, and localities in which the service was performed. The candidate shall also be required to produce a statement from an official, such as the local harbourmaster, yacht-club president, member of a local body, or secretary of a registered fishermen’s organisation, supporting the accuracy of the information contained in the declaration.”

15. Regulation 33 of the principal regulations is hereby amended—

(a) By inserting in subclause (1), after the words “as deck hand”, the words “or, in the case of fishing boats, as qualified fishing deck-hand or fishing deck-boy”:

(b) By inserting in subclause (1), after the words “capacity of seaman”, the words “or fishing deck-hand or deck-boy”.

16. (1) Regulation 37 of the principal regulations is hereby amended by inserting, after the words “for all subjects”, the words “unless there is only one subject and a lower percentage pass is prescribed”.

(2) Regulation 37 of the principal regulations is hereby further amended by revoking the parts thereof relating to the certificates of skipper of home-trade fishing boat, master of foreign-going fishing boat, and master of pleasure yacht, and substituting the following:

“V. Skipper of Coastal Fishing Boat

<i>First Day:</i>				Hours	Marks	Percentage Pass
(1) Chart Work	.....	.....	3	200	60
(2) Navigation and General Knowledge	.....	.....	2	150	60
				350	70	
				—	—	

Orals as convenient.

“VI. Skipper of Deep-sea Fishing Boat

<i>First Day:</i>				Hours	Marks	Percentage Pass
(1) Chart Work	.....	.....	3	200	60
(2) General Knowledge	.....	.....	2	150	60
<i>Second Day:</i>						
(3) Navigation	.....	.....	3	200	60
				550	70	
				—	—	

Orals as convenient.

“VII. Endorsement as Mate of Deep-sea Fishing Boat

				Hours	Marks	Percentage Pass
Navigation	3	200	60	

Orals as convenient.

“VIII. Master of Pleasure Yacht (First-Grade)

<i>First Day:</i>	Hours	Marks	Percentage Pass
(1) Chart Work	2½	150	60
(2) Practical Navigation I	2	150	60
<i>Second Day:</i>			
(3) Practical Navigation II	2½	150	60
(4) Compass Deviation	1½	100	—
<i>Third Day:</i>			
(5) English	1	100	50
		650	70
		—	—

Orals as convenient.

“IX. Master of Pleasure Yacht (Second-Grade)

	Hours	Marks	Percentage Pass
Dictation	¼	50	70
Orals as convenient.”			

17. The principal regulations are hereby further amended by revoking regulation 44, and substituting the following regulation:

“44. **Examinations in signalling**—(1) Candidates for a certificate of competency as master of small home-trade ship, skipper of deep-sea fishing boat, skipper of coastal fishing boat, or master of pleasure yacht (first-grade) must pass an examination in Morse flashing and in the International Code of Signals.

“(2) Candidates for a certificate of competency as master of small home-trade ship, skipper of deep-sea fishing boat, or master of pleasure yacht (first-grade) must pass an examination in semaphore.

“(3) Where an examination in signalling constitutes a separate part of the examination for any certificate or licence, the signals part of the examination may be taken six months before or six months after the written and oral part of the examination for the certificate or licence.”

18. Regulation 49 of the principal regulations is hereby amended by adding to subclause (1) the following paragraphs:

“(f) *Martelli’s navigation tables*:

“(g) *Tables of computed altitude and azimuth (H.O. 214)*:

“(h) *Tables of computed altitude and azimuth (H.D. 486)*.”

19. (1) The principal regulations are hereby further amended by revoking regulation 62 (as substituted by regulation 16 of the Masters (Restricted Home-Trade and Fishing Boats) Examination Regulations 1961, Amendment No. 1), and substituting the following regulation:

“62. **Table of fees**—The following fees respectively are payable on each occasion on which an applicant presents himself for examination or, as the case may be, applies for a certificate of service or a local launchman’s licence by service:

Certificates for Deep-sea Fishing Boats

	£	s.	d.
Skipper of deep-sea fishing boat	4	0	0
Endorsement to act as mate of deep-sea fishing boat	2	0	0
Signalling examination if taken separately	1	0	0

Certificates for Coastal Fishing Boats

Certificate of competency as skipper of coastal fishing boat	3	0	0
Signalling examination if taken separately	1	0	0
Certificate of service as skipper of coastal fishing boat	1	0	0

Home-trade Certificate

Master of small home-trade ship	3	0	0
Signalling examination if taken separately	1	0	0

Restricted-limit Certificates

Master of river ship	3	0	0
Master of restricted-limit launch	3	0	0
Local launchman's licence	3	0	0
Local launchman's licence by service	1	0	0
Endorsement of local launchman's licence	0	10	0

Yacht Certificates

Master of pleasure yacht (first-grade)	2	0	0
Signalling examination if taken separately	1	0	0
Master of pleasure yacht (second-grade)	1	0	0

Re-examination

Where candidate for certificate of competency is re-examined in written and oral and if signalling is included in the syllabus	Full fees less £1
In written part or in oral part	Half fees
In signalling	1 0 0
Master of restricted-limit launch or local launchman's licence, engineering or nautical sections	Half fees

Sight Tests

Examination in sight tests only	0 5 0
Renewal of eyesight examination certificate	0 2 6

The sight-test certificate holds good for six months irrespective of the number of attempts a candidate may make at the examination for a certificate within that period."

(2) Regulation 16 of the Masters (Restricted Home-Trade and Fishing Boats) Examination Regulations 1961, Amendment No. 1, is hereby consequentially revoked.

20. Regulation 64 of the principal regulations is hereby amended by adding to the syllabus for the written examination for master of river ship the following paragraph:

"(f) Single letter signals, International Code."

21. (1) The principal regulations are hereby further amended by revoking regulation 67 and the heading preceding that regulation, and substituting the following heading and regulation:

“SKIPPER OF DEEP-SEA FISHING BOAT

“67. **Skipper of deep-sea fishing boat**—The syllabus for the examination for a certificate as skipper of deep-sea fishing boat is as follows, and in each paper questions may be set combining one or more paragraphs:

Written

Paper 1—CHARTWORK (three hours)

In addition to the syllabus for skipper of coastal fishing boat—

- (a) The use of a single position line.
- (b) Selection of suitable points for bearings approaching an anchorage and entering narrow waters.
- (c) Use of a line of soundings.

Paper 2—GENERAL KNOWLEDGE (two hours)

(a) Navigational aids. Care and maintenance of magnetic compasses. General principles of compass compensation.

(b) Knowledge of errors affecting reliability of medium-frequency wireless direction-finding apparatus, e.g. night error, quadrantal error, reciprocal bearings, convergency allowance, etc.; calibration; QTG service.

(c) General knowledge relating to the requirements of the Shipping and Seamen Act 1952 relating to strandings, collisions, or other casualties; reports to be made out in case of death or injury on board; agreements and certificates of discharge; entering and clearing a fishing boat; official log book and entries therein; management of crew.

(d) To understand the meaning of the New Zealand weather bulletins; tropical revolving storms; rules for avoiding tropical storms; use of barometer observations at a single station in conjunction with weather signs.

Paper 3—NAVIGATION (three hours)

In addition to the syllabus for skipper of coastal fishing boat—

(a) Azimuth of sun or star to find compass error and deviation using tables.

(b) Latitude by meridian altitude of sun or star.

(c) Determining the position line and a position through which it passes from an observation of sun or star out of the meridian recognition of certain stars—Acrux, Rigil Kent, Betelgeuse, Rigel, Sirius, Procyon, Antares, Spica, Altair, Fomalhaut, Canopus, Achernar, Gacrux, Aldebaran, Arcturus, Regulus, Pollux, Hadar.

Oral

In addition to the syllabus for master of coastal fishing boat—

- (a) Tending a vessel at anchor.
- (b) Emergency manoeuvres.
- (c) Rigging and use of a jury rudder.

- (d) Stability as affected by free surface, water on deck, the catch, nets, etc.; conditions of stability during voyage.
- (e) Care, winding, rating, and management of chronometers.
- (f) Use of sextant, and how to find index error.
- (g) Any other questions the Examiner may consider necessary.

Signals

In addition to syllabus for the signals examination for skipper of coastal fishing boat—

- (a) To send and receive signals in the International Code of Signals.
- (b) To send and receive in British Semaphore up to 8 words per minute.”
- (2) Regulation 20 of the Masters (Restricted Home-Trade and Fishing Boats) Examination Regulations 1961, Amendment No. 1, is hereby consequentially revoked.

22. The principal regulations are hereby further amended by inserting, after regulation 67, the following heading and regulation:

“ENDORSEMENT TO ACT AS MATE OF DEEP-SEA FISHING BOAT

“67A. **Endorsement to act as mate of deep-sea fishing boat**—The syllabus for the examination for endorsement to act as mate of deep-sea fishing boat is as follows:

Written

Paper I—NAVIGATION (three hours)

The syllabus for skipper of deep-sea fishing boat (Paper 3).

Oral

Knowledge and use of—

- (a) Chronometer:
- (b) Sextant, and how to ascertain index error.”

23. The principal regulations are hereby further amended by revoking regulation 68 and the heading preceding that regulation, and substituting the following heading and regulation:

“SKIPPER OF COASTAL FISHING BOAT

“68. **Skipper of coastal fishing boat**—The syllabus for the examination for a certificate as skipper of coastal fishing boat is as follows, and in each paper questions may be set combining one or more paragraphs:

Written

Paper 1—CHARTWORK (three hours)

(a) Given the variation and a table of deviation, to convert true courses to magnetic and compass courses and vice versa. To find the compass course and distance between two positions. The effect of a current on speed. To find the compass course to steer allowing for a current. Given compass course steered, ship's speed, direction and rate of current, to find the true course made good. Allowances for leeway.

(b) To fix the ship's position on a chart by simultaneous cross bearings or by bearing and range or by visual or DF bearing and sounding. To fix the ship's position by bearings of one or more objects with the run between, allowing for current, and to find the distance at which the ship will pass a given point.

(c) The use of clearing marks. The use of transit bearings.

(d) To find the times and heights of high and low water at any New Zealand port (New Zealand Tide Tables).

(e) The effect of height of eye on the distance of sighting lights.

(f) Chart symbols and abbreviations.

Paper 2—NAVIGATION AND GENERAL KNOWLEDGE (two hours)

(a) Meaning of variation and deviation. To find compass deviation and error by bearings of two objects in transit or by amplitude of the sun.

(b) To find the magnetic bearing of a distant object and from it the deviation on any point of the compass.

(c) The effects of magnetic materials and electric appliances upon magnetic compasses. Care of compass.

(d) To find the distance off by methods published in *New Zealand Nautical Almanac and Tide Tables* or by doubling the angle on the bow.

Oral

(a) The rule of the road as regards both power-driven ships and sailing ships, their regulation lights and fog and sound signals (candidates must have a good knowledge of the Regulations for the Prevention of Collisions at Sea).

(b) The use and reading of the aneroid barometer. How to improvise and use a sea anchor. Accidents and how to deal with them, e.g., fires, leaks, grounding, towing and being towed, loss of rudder. Use of fore and aft sails, rescue of crew of a disabled ship.

(c) Man overboard procedure.

(d) Anchor work; management of ship in stormy weather and the use of oil to assist this.

(e) Approaching rivers and harbours and manoeuvring in them.

(f) Simple knowledge of stability as it affects fishing boats.

(g) Lifesaving and fire fighting appliances required to be carried in fishing boats.

(h) Management of ships in heavy weather and in landing in surf.

(i) Use and arrangement of the rocket apparatus in the event of a ship being stranded.

(j) Uniform system of buoyage, beacons, and wreck marking system.

(k) New Zealand Notices to Mariners and Marine Department Notices.

(l) Knowledge of New Zealand General Harbour Regulations.

Signalling

To send and receive signals in :

- (a) Morse code up to four words per minute.
- (b) Recognition of the urgent and important two-flag signals, and the meanings of the single letters of the International Code of Signals.
- (c) Distress signals—penalties for misuse.
- (d) The practical use of ship-borne W/T D.F.
- (e) Radio telephone distress and urgency call procedure – penalties for misuse.”

24. Regulation 69 of the principal regulations is hereby amended by revoking clause 2 of the portion of the syllabus relating to signals.

25. The principal regulations are hereby further amended by inserting, after regulation 69, the following heading and regulation :

“MASTER OF PLEASURE YACHT (SECOND-GRADE)

“69A. Master of pleasure yacht (second-grade)—The syllabus for the examination for a certificate as master of pleasure yacht (second-grade) is as follows:

Written

The candidate must be able to read and write the English language. His writing may be tested by not less than 15 minutes' dictation.

Oral

The candidate must satisfy the Examiner in the following subjects, in which he shall be examined orally :

- (a) Lights carried by different classes of vessels.
- (b) Fog signals used by different classes of vessels.
- (c) Day signals carried by different classes of vessels.
- (d) Simple rule of the road and the avoidance of collision.
- (e) Buoys and day marks used in New Zealand. Recognition of coastal and other lights.
- (f) Lifesaving equipment to carry, and how to use it.
- (g) Fire fighting equipment and its use; prevention of fire.
- (h) Distress signals by day and night.
- (i) The use of radio telephone and correct distress procedure.
- (j) Equipment to carry and its uses—anchor, boat-hook, bucket, first-aid kit, mooring lines, sea anchor, oars, bailer, spare engine-parts, tools, distress signals, etc.
- (k) Simple knowledge of the use of charts, including symbols and abbreviations; tide tables; Marine Department Notices and other nautical publications.
- (l) Elementary knowledge of the compass; how to steer a course; care and maintenance; use of transits and clearing bearings.

(m) Tides. Finding times and heights of high and low water at standard and secondary ports from the New Zealand Tide Tables. Spring and neap tides. Use of soundings. Effect of tides and currents.

(n) Boat handling. Simple stability of boats; anchoring; management in rough seas, and in surf. Jet boat handling (as applicable).

(o) Motor Launch Regulations and the responsibility of owners; water skiing. General Harbour Regulations as applicable to small boats.

(p) Weather information available.

(q) Emergencies. Stranding; collision; fire; breakdowns; heaving to; leaks; towing, etc.

(r) Search and Rescue Organisation.

(s) Single-letter flags of international code and their meanings.

(t) Any other questions relating to the duties of a master of a pleasure yacht (second-grade) which the examiner may find it necessary to ask. Candidates shall be examined generally in various types of boats, and particularly in the type they own or are accustomed to, i.e., out-board, inboard engines, jet boats."

26. The principal regulations are hereby further amended by revoking regulation 70, and substituting the following regulation:

"70. **Availability of abolished certificates**—Every certificate of competency abolished by the Shipping and Seamen Amendment Act 1959 or the Shipping and Seamen Amendment Act 1965 shall, after the commencement of this regulation, continue to entitle the holder to serve in any capacity in which he would have been entitled to serve if those Acts had not been passed."

27. Appendix A of the principal regulations is hereby amended by omitting from the first paragraph thereof the words "master of foreign-going fishing boat, skipper of home-trade fishing boat, and master of pleasure yacht", and substituting the words "skipper of deep-sea fishing boat, skipper of coastal fishing boat, master of pleasure yacht (first-grade), and master of pleasure yacht (second-grade) and for endorsement to act as mate of deep-sea fishing boat".

28. Appendix A of the principal regulations is hereby further amended by revoking the specimen set of examination papers for master of foreign-going fishing boat, and substituting the following specimen set of examination papers:

"SPECIMEN SET OF EXAMINATION PAPERS FOR SKIPPER OF DEEP-SEA FISHING BOAT

CHART WORK

Paper 1 (Time allowed—3 hours)

Use deviation card No. 22 and Variation 22° E. throughout.

1. Find the compass course to steer and the distance to steam from a position in 47° 18' 2" S., 169° 13' E., to a position with Nugget Point light bearing 270° (T) distant 5 miles. A current set 050° (T) at 2 knots throughout. If the ship's speed is 9 knots, find how long this passage should take.

2. At 2000 hours a vessel steering 143° (T) at 9 knots observed North Island (137) to be abeam to starboard. Fog then prevented any further bearings being taken. At what time should the vessel alter course, so as to pass through a position with the triangulation point on Breaksea Island bearing 360° (T) and distant 4 miles? Give also the true course to steer after making the alteration.

3. A vessel steering 029° (C) observes Slope Point lighthouse to be dead ahead. If the light has just been raised and the height of eye is 27 feet, what is the observer's latitude and longitude?

4. At 0400 hours from a vessel making good a course of 080° (T) at 10 knots in patchy visibility Slope Point light is observed bearing 360° (T). The following corrected soundings were then taken:

At $0421\frac{1}{2}$ hours, 47 fathoms

At 0441 hours, 46 fathoms

At $0508\frac{3}{4}$ hours, 53 fathoms

At $0532\frac{1}{2}$ hours, 48 fathoms

At 0601 hours, 50 fathoms

Find the vessel's position at 0601 hours.

5. From a vessel steering 104° (C) and steaming at 8 knots, Centre Island lighthouse bore 347° (C). Two hours later Flat Hill (402) bore 037° (C). If the vessel was making 5° leeway due to a strong southerly wind, find her position at the time of taking the second bearing.

6. Find the times and heights of high and low water at Deep Cove on 27 November 1965.

7. Chart orals.

GENERAL KNOWLEDGE

Paper 2

(Time allowed—2 hours)

1. Write short notes on the use of two navigational aids with which you are familiar.

2. To what points should particular attention be paid when choosing a site for the standard compass?

3. Would you expect any alteration in the normal deviations of the ship's compass after she had been laid up heading in one direction for a long time? Give reasons for your answer.

4. Explain the causes of the following in connection with the use of direction-finding apparatus:

(a) Night error.

(b) Quadrantal error.

5. What entries should be made in—

(a) The official log book?

(b) The articles of agreement?

6. (a) Describe the average path of tropical revolving storms in the South Pacific Ocean.

(b) State the rule for avoiding a tropical revolving storm in the Southern Hemisphere.

NAVIGATION

Paper 3 (Time allowed—3 hours)

1. From the following observation of the sun's upper limb, find the direction of the position line and a position through which it passes:

Date 30 March 1958, p.m. at ship, sextant altitude $15^{\circ} 17'$, chronometer time 04h 16m 11s.

Chronometer error 19m 17s slow on G.M.T.

D.R. position $41^{\circ} 06' S.$, $179^{\circ} 10' E.$

Height of eye 28 feet, index error 1.5 on the arc.

2. On 18 October 1958 at 0414 N.Z.S.T. at ship, the star Rigel was observed to bear 319° (C). D.R. position was $36^{\circ} 48' S.$, $179^{\circ} 30' W.$ Find the error of the compass, and, if the variation was $17^{\circ} E.$, the deviation of the compass, for the direction of the ship's head.

3. During morning twilight on 23 June 1958 at ship in D.R. position $42^{\circ} 09' S.$, $168^{\circ} 16' E.$, the sextant meridian altitude of the star Achernar was $74^{\circ} 50'$, bearing south of the observer, height of eye 22 feet and index error 2.3' off the arc. Find the latitude.

4. A vessel steering 352° (C) observes two beacons in transit bearing 010° (C). If the transit bearing of these beacons is 031° (T), what is the error of the compass, what is the deviation for the direction of the ship's head, and what true course is being steered? Variation $18^{\circ} E.$

5. Describe the constellation of the Southern Cross, naming the principal stars in it."

29. Appendix A of the principal regulations is hereby further amended by revoking the specimen set of examination papers for skipper of home-trade fishing boat, and substituting the following specimen set of examination papers:

"SPECIMEN SET OF EXAMINATION PAPERS FOR SKIPPER OF COASTAL FISHING BOAT

CHART WORK

Paper 1 (Time allowed—3 hours)

Use Deviation Card No. 23 and Variation $20^{\circ} E.$ throughout.

1. At 1000 hours a vessel leaving Nelson and steaming at 8 knots had the leading beacons in line astern and Boulder Bank lighthouse bearing 076° (T).

From this position find the compass courses to steer to a position with Collingwood lighthouse bearing 258° (T) distant 3 miles. Alter course when Separation Point lighthouse bears 255° (T) distant 4 miles, and allow for a current setting 215° (T) at 1.5 knots on the first course only. Find also the estimated time of arrival at the position off Collingwood and the distance that the vessel will pass off Tonga Island.

2. To a vessel steering 200° (T) at 8 knots through a current setting 020° (T) at 1 knot, Stephens Island lighthouse bore 121° (T). After steaming for 3 hours 15 minutes Sauvage Point bore 090° (T).

Find—(a) The distance off Sauvage Point when the second bearing was taken.

(b) The course and distance made good.

3. From a position in $40^\circ 11' S$, $172^\circ 00' E$., a vessel steers 116° (C) at 10 knots through a current setting 005° (T) at 1.5 knots. If a north-easterly gale is causing 7° leeway, find the vessel's position after 3 hours' steaming.

4. At 2000 hours a vessel steering 086° (C) and steaming at 10 knots observes Pillar Point lighthouse bearing 207° (C) and Farewell Spit Lighthouse bearing 141° (C). If the height of the observer's eye above sea level was 25 feet, find the time at which Stephens Island light will be sighted on a clear night.

5. Find the times and heights of high and low water at Whangarei Wharf on 4 July 1965.

6. Chart orals.

NAVIGATION AND GENERAL KNOWLEDGE

Paper 2

(Time allowed—2 hours)

1. At 1943 hours N.Z.S.T. on 16 November 1958 at ship in D.R. position $47^\circ 16' S$, $173^\circ 41' E$., the sun set bearing 219° (C). If the variation is $22^\circ E$, find the deviation for the direction of the ship's head.

2. From the following bearings of a distant object find the magnetic bearing and construct a table of deviations:

Ship's Head by Compass	Compass Bearing of Distant Object	Ship's Head by Compass	Compass Bearing of Distant Object
N	111°	S	135°
NE	115°	SW	126°
E	128°	W	119°
SE	136°	NW	114°

3. At a place where the variation was $20^\circ E$ two beacons are observed in transit bearing 345° (C). If the true transit bearing from the chart was 360° (T), find—(a) The deviation. (b) The true course being steered.

4. While steering 020° (T) a vessel sights a point of land bearing 328° (T). After steaming for 4 miles the same point bears 290° (T). Find the distance off on the second bearing.

5. What provision is made, in a liquid compass, for the expansion and contraction of the liquid?"

30. Regulation 21 of the Masters (Restricted Home-Trade and Fishing Boats) Examination Regulations 1961, Amendment No. 1, is hereby amended by revoking subclause (3).

31. Appendix A of the principal regulations is hereby further amended by inserting, after the specimen set of examination papers for skipper of coastal fishing boat (as inserted by regulation 29 of these regulations), the following specimen set of examination papers:

**“SPECIMEN PAPER FOR ENDORSEMENT TO ACT AS MATE
OF DEEP-SEA FISHING BOAT**

NAVIGATION

Paper 1

(Time allowed—3 hours)

1. From the following observation of the sun's lower limb, find the direction of the position line and a position through which it passes:

Date at ship 1 May 1958 in D.R. position $36^{\circ} 19' S.$, $178^{\circ} 50' E.$, the sextant altitude was $26^{\circ} 58' 1''$ east of the meridian. Index error $0' 6''$ on the arc, height of eye 29 feet. The chronometer which was 9m 17s slow on G.M.T. indicated 21h 18m 24s.

2. From the following observation of the sun's upper limb on the meridian, find the latitude and direction of the position line:

Date at ship 14 August 1958 in D.R. position $44^{\circ} 37' S.$, $167^{\circ} 40' E.$, the sextant altitude was $31^{\circ} 05' 2''$. Index Error $0' 7''$ off the arc, height of eye 30 feet.

3. From the following information find the error of the compass and the deviation for the direction of the ship's head if the variation was $19^{\circ} 5' E$:

Date at ship 13 October 1958 at 18h 19m 10s (N.Z.S.T.) in D.R. position $41^{\circ} 36' S.$, $175^{\circ} 45' E.$, the sun bore $244^{\circ} (C)$.

4. A vessel steering $180^{\circ} (C)$ observes two points of land in line bearing $351^{\circ} (C)$. If the true transit bearing of these points is $008^{\circ} (T)$, find the error of the compass. Give also the deviation of the compass and the true course steered. The variation is $20^{\circ} E$.

5. How would you recognise Aldebaran with reference to its constellation? Illustrate your answer.”

32. (1) Appendix B of the principal regulations is hereby amended by adding to subclause (1) of clause 15 the words “The reduced standard eyesight test applies to candidates for master of pleasure yacht (first-grade), master of pleasure yacht (second-grade), and local launchman's licence. It may, at the discretion of the Principal Examiner of Masters and Mates, apply to candidates for skipper of coastal fishing boat.”

(2) Appendix B of the principal regulations is hereby further amended by adding the following clause:

“17. **Voluntary certificates, local launchman's licences, and certificates as skipper of coastal fishing boat**—Candidates for the certificates of master of pleasure yacht (first-grade), master of pleasure yacht (second-grade), local launchman's licence, and skipper of coastal fishing boat who are examined at places other than the four main ports of New Zealand may be examined in colour vision by means of approved tests other than by means of the lantern. Such candidates may also use artificial aids to vision as provided for in clause 16 (2) hereof.”

33. Appendix D of the principal regulations is hereby amended—
(a) By inserting in the first paragraph, before the words “The examination”, the words “Except where otherwise provided”:

(b) By inserting in the paragraph relating to speeds and tests for candidates, before the words “Candidates shall”, the words “Where applicable”.

34. Appendix E of the principal regulations is hereby amended by adding the words “Or at the local address of the Red Cross Society of New Zealand”.

T. J. SHERRARD,
Clerk of the Executive Council.

EXPLANATORY NOTE

This note is not part of the regulations, but is intended to indicate their general effect.

These regulations make miscellaneous amendments to the Masters (Restricted Home-Trade and Fishing Boats) Examination Regulations 1961. The principal amendments are—

- (a) Provision is made for the issue of certificates of competency as skipper of deep-sea fishing boat and as skipper of coastal fishing boat.
- (b) Provision is made for the issue of certificates of service as skipper of coastal fishing boat to persons qualified to receive such certificates under section 19 (1A) (d) of the Shipping and Seamen Act 1952 (as enacted by section 4 (1) of the 1964 Amendment Act and amended by section 16 (2) of the 1965 amendment) and for the endorsement of such certificates to entitle the holder to act as mate of a deep-sea fishing boat.
- (c) Provision is made for two classes of certificate as master of pleasure yacht. The existing certificate is to be known as a certificate as master of pleasure yacht (first-grade), and a new certificate is provided, to be known as a certificate as master of pleasure yacht (second-grade).
- (d) Local launchmen’s licences may be extended to apply to additional ships or additional areas, and local launchmen’s licences may be granted without examination to persons who before 1 February 1966 had served for not less than three years in fishing boats of which not less than six months were served as master.

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These regulations are administered in the Marine Department.