

1962/147



THE SURVEY EXAMINATION REGULATIONS 1962

COBHAM, Governor-General

ORDER IN COUNCIL

At the Government House at Wellington this 22nd day of August 1962

Present:

HIS EXCELLENCY THE GOVERNOR-GENERAL IN COUNCIL

PURSUANT to the Surveyors Act 1938, His Excellency the Governor-General, acting by and with the advice and consent of the Executive Council, and on the recommendation of the Survey Board established under that Act, hereby makes the following regulations.

ANALYSIS

PART I—PRELIMINARY

1. Title and commencement
2. Interpretation

PART II—ARTICLES

- 3 No articles to be entered into after 30 September 1962
4. Form of articles
5. Educational qualifications
6. Articles, etc., to be sent to Secretary
7. Transfer of articles
8. Registration of articles or transfer
9. Cancellation of registration of articles
10. Service under articles
11. Certificate as to experience and training of pupil
12. Exemption from service under articles
13. Training and experience of University students during vacation

PART III—CONDUCT OF EXAMINATIONS

14. Date of examinations
15. Application for examination
16. Pupil may sit in reciprocating State
17. Candidate may withdraw
18. Fee to be refunded if candidate not allowed to sit
19. Candidate's number
20. Materials to be provided by candidate
21. Supervisor's powers

PART IV—SUBJECTS OF EXAMINATION

22. Subjects of written examination
23. Subjects of oral and practical examination

PART V—ORDER OF EXAMINATION

24. Order of examination

PART VI—EXAMINATION CREDITS

25. Percentage required for pass
26. Examination credits
27. Examinations to be completed by 31 December 1969
28. Certificate of competency

PART VII—QUALIFICATION BY DEGREE OR DIPLOMA

29. Degree or diploma in land surveying granted in New Zealand
30. Degree or diploma granted out of New Zealand

PART VIII—FEES

31. Fees

PART IX—REVOCATION AND SAVINGS

32. Revocation
33. Savings

Schedule

REGULATIONS

PART I—PRELIMINARY

1. Title and commencement—(1) These regulations may be cited as the Survey Examination Regulations 1962.

(2) These regulations shall come into force on the date of their notification in the *Gazette*.

2. Interpretation—In these regulations, unless the context otherwise requires,—

“The Act” means the Surveyors Act 1938:

“Articles” includes—

- (a) Any indenture, deed, or other writing containing a contract or agreement for tuition in land surveying made between a registered surveyor and a person seeking to qualify himself for registration as a land surveyor; or
- (b) Any written notification from the Surveyor-General to the Secretary of the appointment of a survey cadet or survey cadets in any Department of State:

“The Board” means the Survey Board constituted under the Act:

“Commonwealth country” means a country that is a member of the Commonwealth; and includes every territory for whose international relations the Government of that country is responsible; and also includes the Republic of Ireland as if that country were a member of the Commonwealth:

“Prescribed” in relation to any fee, means prescribed by regulation 31 hereof:

“Pupil” means a person who is serving under articles:

“The Real Property Acts” includes all Acts containing provisions relating to the survey of land, together with all regulations thereunder for the time being in force:

“Reciprocating Board” means the body in any reciprocating State having powers and duties corresponding to those of the Board:

“Reciprocating State” means any Commonwealth country with which reciprocal arrangements for the recognition of the status of surveyors have been made as herein provided and are for the time being in force:

“Register” means the Register of Surveyors directed to be kept pursuant to the Act:

“Registered civil engineer” means a person registered as a civil engineer under the Engineers Registration Act 1924:

“Registered surveyor” means any person for the time being registered as a surveyor under the Act; and includes any person for the time being registered by or at the direction of or with the approval of a reciprocating Board as a “licensed”, “qualified”, “registered”, “authorised”, or “certificated” surveyor or land surveyor, or by any other corresponding title in any reciprocating State:

“Secretary” means the Secretary of the Survey Board:

“University” includes—

- (a) A University in New Zealand:
- (b) Any university in a reciprocating State recognised by the reciprocating Board of that State:
- (c) Any university elsewhere than in a reciprocating State recognised by the Board for the purpose of these regulations.

PART II—ARTICLES

3. No articles to be entered into after 30 September 1962—No person shall enter into articles after the 30th day of September 1962.

4. Form of articles—Articles shall be drawn up in a form satisfactory to the Board, and the Board may for sufficient cause direct that any articles be made explicit in any particular.

5. Educational qualifications—Before entering into articles, the intended pupil shall produce to the employer evidence that he—

- (a) Has passed or been accredited with an examination in New Zealand that qualifies him academically for entrance to a University in New Zealand; or
 - (b) Has passed an examination accepted by a University in New Zealand as being equivalent to the examination referred to in paragraph (a) of this regulation; or
 - (c) Has passed an examination accepted by a reciprocating Board:
- Provided that the examination passed or accredited to the pupil must include a pass in English, arithmetic, algebra, geometry, and trigonometry at a standard not below that of the examination referred to in paragraph (a) of this regulation.

6. Articles, etc., to be sent to Secretary—The articles duly completed shall, within six months after the date of commencement of the apprenticeship specified therein, be forwarded to the Secretary by the surveyor who is a party thereto, together with—

- (a) Evidence that the applicant for apprenticeship has obtained the educational qualifications specified in regulation 5 hereof; and
- (b) Evidence of the date of birth of the applicant; and
- (c) The prescribed fee for registration of articles.

7. Transfer of articles—An application for transfer of articles in a form satisfactory to the Board shall be made to the Board by the surveyor to whom the articles are to be transferred, and shall be lodged with the Secretary within three months after the date of the transfer together with—

- (a) A certificate by the surveyor who is a party to the original articles as to the service of the pupil and the nature of the work upon which he had been engaged; and
- (b) The prescribed fee for registration of transfer of articles.

8. Registration of articles or transfer—(1) Subject to the direction of the Board, the Secretary shall, as soon as possible after the receipt of any articles or any notice of transfer thereof, register the same, and may retain the articles or transfer or any authenticated copies thereof with the records of the Board.

(2) The Board may at its discretion register any articles or transfer of articles received after the periods prescribed in regulations 6 and 7 hereof.

(3) The Board shall refuse to register any articles if—

(a) The articles do not in its opinion sufficiently allow for the theoretical instruction or provide for the practical training of the pupil in the profession of surveying; or

(b) The provisions of regulation 5 hereof have not been complied with.

(4) The Board shall refuse to register any articles or a transfer of any articles if—

(a) The surveyor who is a party thereto or, as the case may be, to whom the articles are to be transferred already has two pupils under articles or has another pupil under articles who has had less than two years' service:

Provided that in special cases the Board may register, for a period not exceeding six months, the articles of an additional pupil who has had not less than two years' service under articles; or

(b) In the opinion of the Board the surveyor who is a party thereto or, as the case may be, to whom the articles are to be transferred has failed in the past to provide a registered pupil with the requisite training and experience as a surveyor.

9. Cancellation of registration of articles—The Board may cancel the registration of any articles if the registration has been obtained consequent upon any misrepresentation of fact.

10. Service under articles—(1) Every pupil shall serve professionally under articles (registered as hereinbefore provided) for a period of not less than four years, of which not less than three years shall be spent in professional service in the field and the balance in office experience, those periods being subject to any exemptions that may be granted under the provisions of regulations 12 and 13 hereof.

(2) Except as provided by regulation 12 (1) (e) hereof, each pupil shall, during the period of his articles, have had at least two years' instruction and experience in land-boundary definition.

(3) Service under articles shall include not less than six months spent on boundary surveys in urban areas and not less than six months spent on boundary surveys in rural areas.

11. Certificate as to experience and training of pupil—(1) The teaching surveyor shall submit to the Secretary on or before the 1st day of September in each year a certificate in form 1 in the Schedule to these regulations, signed by himself and by the pupil, setting out the experience gained by and the training given to every pupil in his employ for the period ending with the 30th day of June in that year.

(2) If the Board, after reviewing the report submitted under sub-clause (1) of this regulation, considers that any pupil is not receiving the requisite training and experience, it may require the cancellation

of the articles or the transfer of the articles to some surveyor approved by the Board, in which case the Secretary shall notify the surveyor and the articted pupil that the articles must be cancelled or transferred. If within three months of receipt of that notice no such cancellation or transfer has been effected by the parties to the articles, the Board may cancel the articles or transfer the articles to some other surveyor.

(3) Service under articles outside New Zealand by any pupil registered with a reciprocating Board may be accepted, provided that Board forwards a certificate in form 2 in the Schedule to these regulations, together with a detailed statement of the class of work upon which the pupil has been engaged, signed by both the surveyor and the reciprocating Board.

12. Exemption from service under articles—(1) If a pupil produces documentary evidence satisfactory to the Board that he possesses the qualifications or experience specified in this subclause, he may be granted exemption for periods up to the appropriate extent herein set out, namely:

Qualification	Exemption
(a) A field experience approved by the Board of not less than 12 months under the supervision of a registered civil engineer or a registered surveyor	Six months' professional service in the field.
(b) A certificate or diploma in surveying granted after an examination of a standard approved by the Board, or by a reciprocating Board in the State where the examination is held, at which a person appointed or approved by the Board or by the reciprocating Board is a co-examiner	Nine months' office experience.
(c) A certificate granted by a University upon passing an examination after completing a special course of surveying within the University	Nine months' office experience.
(d) A degree or diploma granted by a University upon passing an examination consequent upon completion of a course which, in the opinion of the Board, provides sufficient training and instruction in the principles and practice of surveying	Twelve months' office experience and 12 months' professional service in the field.
(e) A degree or diploma as described in paragraph (d) hereof when a representative of the Board or of a reciprocating Board acts as co-examiner in those subjects relating to surveying	Twelve months' office experience and 18 months' professional service in the field.

(2) No pupil shall be granted an exemption under paragraph (d) or paragraph (e) of subclause (1) hereof, unless he serves the term of his apprenticeship under articles with a surveyor engaged primarily on land boundary surveys.

(3) No pupil shall be granted an exemption under more than one of paragraphs (a), (b), (c), (d), and (e) of subclause (1) hereof.

13. Training and experience of University students during vacation—

The Board may accept training and experience gained during vacation periods by a student taking a degree course in surveying at a University or technological institute without requiring him to enter into articles:

Provided that the total period of that training and experience acceptable shall—

- (a) Not exceed six months;
- (b) Have been gained under a registered surveyor engaged in land-boundary definition during that period;
- (c) Be covered by a certificate from the surveyor satisfactory to the Board.

PART III—CONDUCT OF EXAMINATIONS

14. Date of examinations—(1) The Board shall conduct examinations of candidates for certificates of competency in the month of August or September in every year, and at such other times as the Board deems necessary, and shall appoint examiners and supervisors for those examinations.

(2) The Board shall publish in the *Gazette* a notice of the date of commencement of the examination and of the closing date for entry therein at least six weeks before the date of commencement.

15. Application for examination—Any pupil who desires to sit for any subject of the Board's examination shall forward a written application to reach the Secretary on or before the closing date for entry, together with the prescribed examination fee.

16. Pupil may sit in reciprocating State—A pupil may sit for examination in any reciprocating State other than that in which he is registered, provided the respective Boards are satisfied as to his eligibility and that he conforms with the examination practice of the reciprocating State. His examination papers shall be marked by mutual arrangement of the Boards concerned.

17. Candidate may withdraw—The Board may for sufficient cause permit any candidate to withdraw his application to sit for examination and may refund the whole or part of any fee paid by him.

18. Fee to be refunded if candidate not allowed to sit—If the Board declines to permit any candidate to present himself for examination, it shall refund any fees paid by the candidate when entering for the examination.

19. Candidate's number—Every candidate for examination shall be allotted a distinguishing number, with which he shall mark each page of the workings, plans, and papers submitted by him, but he shall not otherwise reveal his identity thereon.

20. Materials to be provided by candidate—Each candidate, when presenting himself for examination, shall provide, for his own use thereat, the Star Almanac for Land Surveyors or other approved Ephemeris for the current year (when required), a book of mathematical tables approved by the Board, a set of standard scales, a parallel ruler (15 in. preferred), a planimeter, a protractor and other necessary appliances for plan drawing other than paper. The use of traverse tables shall be permitted, but the use of calculating machines, other than slide rules, shall not be allowed.

21. Supervisor's powers—(1) During the currency of the examination, the supervisor may require a candidate to produce for inspection any book of tables or notes used by him, and for sufficient cause may prohibit the candidate from using any book or notes at the examination.

(2) The supervisor may refuse to allow a candidate to continue with the examination if, in his opinion, the conduct of the candidate during the progress of the examination is deemed to be inconsistent with generally accepted ethical standards.

PART IV—SUBJECTS OF EXAMINATION

22. Subjects of written examination—The subjects of the written examination shall be—

No. 1—Engineering Surveying A

Levelling; barometric measurement of height; mass diagram; tacheometric surveying; contouring; earthwork quantities from contours and spot levels; theory of the prismatic formula; locating, grading, and setting out roads and railways; setting out simple curves, banks, cuttings and other earthworks.

No. 2—Computations A

Problems regarding standardisation of steel tapes, determination of working tension, sag and temperature corrections; reduction of traverses and coordinates; calculation of areas by double longitudes; calculation of offset areas; calculations in connection with areas and dimensions of plane figures having rectilinear or curved boundaries; mensuration of surfaces and solids.

No. 3—Town and Country Planning

The principles governing town, country and regional planning; zoning; communications and transport; the design of open spaces and recreational areas; bylaws; public services; amenities; preparation of civic survey; town-planning schemes; details of town design; design of suburban, industrial, and country lands; subdivisions, access, reservations for public needs and amenities.

No. 4—Physics

The subject generally as contained in any good elementary text book, with a more detailed knowledge of the laws underlying the construction and use of surveying instruments—e.g., the pressure of liquids and

gases as affecting the barometer, thermometer, and level; the allowance to be made for the effects of heat in the practical work of the surveyor; the reflection and refraction of light, lenses, and mirrors; terrestrial magnetism and variation of the compass.

No. 5A—Astronomy

Spherical trigonometry, azimuth, altitude, hour angle, time, right ascension, declination, and the relation between them; use of the Star Almanac for Land Surveyors; corrections to star or sun observations; effect of errors of adjustment of instruments; determination of azimuth, longitude, latitude, and time.

No. 5B—Geodesy

Figure of the earth; reduction of length to sea level, corrections for curvature and refraction; trigonometrical heights of stations; spherical excess; calculations for geodetic latitude and longitude, reverse azimuth and convergence of meridians; laying down parallels of latitude; elements of map projection with special emphasis on the Transverse Mercator and Lambert's Conformal projections; calculations for co-ordinates of the Transverse Mercator and Lambert's Conformal projections from latitude and longitude, and vice versa; zoning and scale factors involved.

Principles of and general procedure for first order, second order, and minor triangulation, including reconnaissance, observing, beaconing, and permanent marking; field book practice, summaries and strength of figures; visibility of stations; base nets; resections; computations connected with triangulation; the use of tables of radii and curvature.

Special formulae in geodesy and map projection shall be given in the question paper.

No. 6—Land Classification and Land Utilisation

Geology as generally dealt with in any good elementary textbook (specimens of rock may be submitted for classification and description); classification of areas of land according to physiography, including geological formation, topography, and climate related to vegetal growth; types and properties of soils and their relation to the basic physiographic factors; soil erosion and soil conservation; reclamation of land; farm products in relation to soils; types of pastures and their relation to basic physiographic factors, soils, and vegetation; effect of river control and water conservation in land development; water supply and reticulation for farm development; land drainage and irrigation; economics of land subdivision for development; economic farm unit; farm planning; principles of afforestation; distribution of indigenous timbers and shrubs; economic values of timbers; existing and potential land uses.

No. 7—Computations B

Computations connected with plane surveying, three-point, and similar problems; calculations of heights and distances; tacheometric surveying; calculations in connection with mine surveying; adjustment of discrepancies in surveys; problems connected with setting out areas; calculations for setting out circular and parabolic curves and road secants.

No. 8—Engineering Surveying B

Elementary theory of hydraulics; hydraulic terms and constants; determination of mean sea level; gauging of streams, rivers, and waterways; current meters; flow of water in pipes and open channels; run-off and flood discharge; soundings; three-point problem by graphical methods; setting out railways and highways using circular, parabolic, and transition curves; super elevation; precise levelling; setting out engineering works; determination of waterways for bridges and culverts; harbour and river surveys; hydrographic surveys.

No. 9—Mapping, Aerial Surveying, and Photogrammetry

Types of maps and charts, and their application; map and chart scales; design of topographical sheets and series; methods of representation of physical and artificial features; conventional signs; grids and graticules; methods of drawing and map compilation; compilation of plane table sheets; identification and plotting of air photo control; use of plane table; flying specifications; flight maps, scales; aerial camera; types of camera; geometry of the aerial photograph; scale relationships; coverage; relief and tilt displacement; principles of stereoscopy, including parallax measurements; Arundel method of minor control plotting; ground control; stereoscopic plotting methods; absolute and differential parallax; principles of the rectifying and enlarging camera and plotting machines; preparation of mosaics; interpretation and use of aerial photographs.

No. 10—Principles and Practice of Land Valuation

General principles and definitions; stock carrying capacity; cost of development of various types of country; method of valuing all improvements; valuation of buildings, roads, drains, clearing, and earthworks; Acts and regulations affecting land values; methods of estimating compensation for land acquired by the Crown; valuation of the fee simple of urban and rural properties and of interests less than fee simple; farm costs and returns; depreciation and obsolescence; influence of existing laws on land values.

No. 11—Laws and Regulations Affecting Surveys

The Acts and regulations relating to—

- (a) Surveys of land for purposes of title; subdivision of land; opening and closing roads and rights of way; the acquisition of land for special purposes:
- (b) Surveys of mines, both surface and underground:
- (c) Town planning and regional planning:
- (d) Systems of tenure.

23. Subjects of oral and practical examination—The subjects of the oral and practical examination shall be—

No. 12—The Adjustment and Use of Instruments

(a) The principles of construction and practical tests in adjustment and use of all instruments required in modern field practice and office use:

(b) A practical test in—

- (i) The use of the stereoscope for field examination of aerial photographs, at the discretion of the Board:
- (ii) The application of aerial photographs to mapping.

No. 13—Field Practice

The practice of surveying; survey of an area as for title purposes, including the preparation of a plan from the field notes thereof, under the supervision of the Board.

The Board may accept instead of that survey one of the plans of survey required under subparagraph (5) (a) (i) or subparagraph (5) (a) (ii) of regulation 24 hereof.

No. 14—Practical Levelling

Levelling a section at least 20 chains in length. The Board may accept instead of that survey the plan of the engineering survey required under subparagraph (5) (a) (iii) of regulation 24 hereof.

No. 15—Field Astronomy

The practical determination of not less than two of the following: Azimuth, time, latitude.

PART V—ORDER OF EXAMINATION

24. Order of examination—(1) Any candidate who has completed to the satisfaction of the Board not less than the term of service under articles specified in the first column of the table to this subclause may be permitted to sit for one or more of the subjects specified in the second column of that table numbered as in regulations 22 and 23 hereof, namely:

Term of Service				Subjects
One year	.....	.....	.....	Nos. 1 to 4
Two years	.....	.....	.....	Nos. 1 to 10
Three years	.....	.....	.....	Nos. 1 to 11
Four years	.....	.....	.....	Nos. 1 to 15

(2) No subject may be taken during the first year of service under articles.

(3) For the purposes of this regulation, the eligibility to sit for specified subjects of a pupil who has been granted an exemption under regulation 12 or regulation 13 hereof shall be determined by considering the period of exemption as time served.

(4) No candidate shall be permitted to sit for any of the oral and practical subjects numbered 12, 13, 14, and 15 until he has obtained credit for a pass in all subjects numbered 1 to 11 (inclusive) of the written examination and has furnished a certificate in form 2 in the Schedule to these regulations that he is competent to effect surveys on his own responsibility.

(5) A candidate whose application includes any of the subjects numbered 12, 13, 14, and 15 as prescribed in regulation 23 hereof shall, in addition—

- (a) Submit to the Board his original field notes and plans drawn therefrom, relevant computations, and a report describing each survey, of—
- (i) A land title survey of a country area of not less than 80 acres at least two of the boundaries of which shall coincide with and be reinstated from previous surveys, and one or more of the boundaries of which shall be a watercourse or other natural feature or an irregular road; all boundaries must be redefined on the ground; and
 - (ii) A Land Transfer survey of an urban area comprising not less than two allotments with substantial buildings encroaching on or closely adjacent to at least one of the boundaries. All old boundaries must be redefined on the ground; and
 - (iii) An engineering survey and design plans of a proposed urban street not less than 10 chains in length, to be constructed in accordance with the requirements of a city authority. At least one end of the street shall connect to an existing street. All levels shall be checked to the satisfaction of the Board. A short specification shall be furnished for the construction of the work; and
 - (iv) The survey of a base line not less than 80 chains in length using such methods and equipment as are necessary to ensure that the length of the base line is correct to within 1 in 50,000. The base line shall be connected to the triangulation of the district by a well braced figure comprising not less than three triangles adjusted by least squares; and
 - (v) A topographical survey of hilly country embracing an area of not less than 20 acres showing contours at height intervals appropriate to the scale and purpose of the survey. The plan shall not be less than 64 sq. in.:

Provided that the foregoing requirements as to lengths and areas may, in special circumstances, be modified at the discretion of the Board. Application to the Board in this regard must be made at least six months before submission of plans as required in paragraph (a) of this subclause.

Each plan shall bear the following certificate signed by the candidate:

“I hereby certify that this survey was made by me personally between the day of 19....., and the day of 19....., and that this plan, the accompanying field notes, and the relevant computations are entirely my own work.

.....
Candidate.”

(b) Submit on 40 in. by 27 in. sheets plans showing—

Either

- (i) A scheme for a new town, developed on country of which at least 30 per cent is undulating land, to accommodate an ultimate population of 10,000 to 20,000;

Or

- (ii) A scheme for the replanning and extension of an existing town of 10,000 to 20,000 population to accommodate an additional population of 5,000, the extension being on land of which at least 30 per cent is undulating.

The plans should include—

1. A 10-chain outline zoning plan, showing main land uses and main roading system.
2. A detailed layout of a shopping, civic, and community centre.
3. A detailed layout of a portion of the proposed industrial area.
4. A detailed layout of a portion of the proposed residential area. The detailed layouts as described in paragraphs (2), (3), and (4) may be shown on one sheet.

Or

- (iii) A scheme of land development for any type of farming showing complete topographical details, the arterial and subdivisional roading, final subdivision, water supply, amenities and facilities considered necessary for the support of at least 20 farm units usually associated with the chosen type of development, the minimum area dealt with to be not less than 500 acres.

The scheme shall bear a signed certificate from the candidate that except for basic topographical information it is entirely his own work and not copied from any published matter, and shall be accompanied by a detailed report on his investigations and conclusions deduced therefrom, together with estimated costs of development and estimated sale value of each developed farm; and

- (c) Give to the Board such additional information as it may require in regard to his professional service, field notes, and plans; and
- (d) Produce evidence that during his professional service in the field he has complied with the requirements of regulation 10 hereof; and
- (e) In any case where, notwithstanding such evidence as aforesaid, the Board considers that the candidate has not received sufficient training and practical experience in the profession of surveying, produce evidence to the satisfaction of the Board that he has undergone such further training and practical experience as the Board in its discretion in that particular case may prescribe.

PART VI—EXAMINATION CREDITS

25. Percentage required for pass—In order to pass in any subject a candidate shall obtain not less than 60 per cent of the marks in that subject.

26. Examination credits—(1) Any candidate who produces evidence satisfactory to the Board that he has passed in any of the written subjects at an examination conducted by a reciprocating Board shall be credited by the Board with a pass in that subject, except the subject “Laws and Regulations Affecting Surveys”.

(2) A candidate who submits satisfactory evidence of having passed a subject or subjects of a University examination in a degree or a diploma course in land surveying or a subject or subjects of any other examination, which in the opinion of the Board are equivalent to a subject or subjects of the Land Surveyors Examination, may at the discretion of the Board without further examination be credited with a pass in such subject or subjects.

(3) Any candidate who passes in any subject shall be credited with a pass in that subject until five years after the completion of his articles, or, if he has passed in no subject during the period of those articles, until five years after the first examination for which he sat after completing articles. Unless he has passed in all subjects before the completion of the five years specified he may lose all credits. He may enter for examination again, but may be required to pass in all subjects within five years after the first date on which he again sits.

(4) Any candidate who has received a notification from the Secretary advising him that he has failed in any subject at the examination may, within one month from the date of that notification, appeal to the Board to review his paper in that subject, and the Board, at its discretion and upon the receipt of the prescribed fee, may allow such a review. In the event of the candidate succeeding in his appeal, the Board shall refund the fee.

27. Examinations to be completed by 31 December 1969—(1) No written examinations in the subjects numbered 1 to 10 (inclusive) as specified in regulation 22 hereof shall be conducted by the Board after the 31st day of December 1969.

(2) Notwithstanding anything in subclause (1) of this regulation, but subject to the provisions of subclause (3) of regulation 26 hereof, the Board may, in its discretion, authorise any pupil who has not passed all of the subjects of the written examination on or before the 31st day of December 1969 to sit after that date written examinations in equivalent subjects set or nominated by the Board. A pupil credited with a pass in all such equivalent subjects may then present himself for examination in the subjects of the oral and practical examination specified in regulations 23 and 24 hereof.

28. Certificate of competency—A certificate of competency in form 3 in the Schedule to these regulations shall be issued to each candidate who has been credited with a pass in all subjects prescribed in these regulations.

PART VII—QUALIFICATION BY DEGREE OR DIPLOMA

29. Degree or diploma in land surveying granted in New Zealand—Any person holding a degree or diploma in land surveying granted by a University in New Zealand shall be entitled to a certificate of competency in form 3 in the Schedule to these regulations on fulfilling the following requirements:

- (a) That after receiving a degree or diploma as aforesaid he has had to the satisfaction of the Board not less than two years' practical experience in land surveying with one or more registered surveyors, of which not less than 12 months was experience in land-title surveying and not less than six months was experience in civil engineering, which may be with persons registered as civil engineers:

Provided that—

- (i) No period of less than one month with any registered surveyor or registered civil engineer shall qualify as practical experience; and
- (ii) The Board, at its discretion, may allow up to six months' practical experience of a similar nature gained after a person has enrolled at a University in New Zealand for a degree or diploma in land surveying to be reckoned for the purposes of this paragraph; and
- (b) That he has been credited with a pass in subject No. 11, "Laws and Regulations Affecting Surveys", of the written examination as prescribed in regulation 22 hereof:
- Provided that no person shall be permitted to sit this subject who has not obtained at least 12 months' practical experience in land-title surveying as prescribed in paragraph (a) of this regulation; and
- (c) That after fulfilling the requirements of paragraphs (a) and (b) of this regulation he has been credited with a pass in the subjects of the oral and practical examination as prescribed by regulation 23 hereof, and has submitted to the Board the plans required in accordance with the provisions of paragraphs (a) and (b) of subclause (5) of regulation 24 hereof; and
- (d) That he has furnished a certificate of practical experience to the Board in form 4 in the Schedule to these regulations.

30. Degree or diploma granted out of New Zealand—Any person holding a degree or diploma or other recognised certificate granted out of New Zealand by a University or other institution upon passing an examination consequent upon the completion of a course which in the opinion of the Board is equivalent to a degree or diploma in land surveying granted by a University in New Zealand shall be entitled to a certificate of competency in form 3 in the Schedule to these regulations on fulfilling the requirements of paragraphs (a) to (d) of regulation 29 hereof:

Provided that where that person has had previous practical experience the Board may reduce the experience required in the said paragraph (a) to not less than 18 months:

Provided further that in special cases the Board may dispense with the submission of the plans specified in subparagraphs (iv) and (v) of regulation 24 (5) (a) hereof.

PART VIII—FEES

31. Fees—The following fees shall be payable to the Board in respect of the following matters:

	£	s.	d.
(a) Registering articles	0	5	0
(b) Registering transfer of articles	0	5	0
(c) Each entry of candidate for examination	4	0	0
(d) In addition to the fees payable under paragraph (c) hereof, for each written examination paper	1	0	0
(e) Review of examination paper, each subject	1	0	0

PART IX—REVOCATION AND SAVINGS

32. Revocation—The Survey Examination Regulations 1953* are hereby revoked.

33. Savings—(1) All registrations or transfers of articles and the passing or partial passing of any examination, and all certificates, applications, and generally all documents, matters, acts, and things which originated or had effect under the regulations hereby revoked or any former regulations and are of continuing effect at the commencement of these regulations shall enure for the purposes of these regulations as if they had originated under these regulations, and shall, where necessary, be deemed to have so originated.

(2) Where any person has obtained a pass or a partial pass in any examination held under the regulations hereby revoked or any former regulations, the Board shall be entitled to grant him credit in such subjects or require him to pass such of the examinations prescribed by these regulations or modify the syllabus prescribed by these regulations in such manner as it thinks fit.

(3) Notwithstanding anything in these regulations, the provisions of subclause (6) of regulation 23 and of regulation 26 of the Survey Examination Regulations 1953* shall continue to apply, as if these regulations had not been made, to every examination conducted by the Board before the 1st day of November 1962.

*S.R. 1953/30

SCHEDULE

Form 1

Reg. 11 (1)

Survey Board of New Zealand

CERTIFICATE OF EXPERIENCE AND TRAINING

File No.....

Reg. No.....

Date:.....

I,, of, hereby certify that, registered cadet, in my employ, has had for the 12-month period ending 30 June 19..... a training and experience in the profession of surveying as set out hereunder.

.....
Registered Surveyor.

	Period Employed (in Days)
(1) Office Training—	
Computations	
Plotting and draughting	
Searching	
Other work	
Total	

	Capacity* Employed		Period Employed (in Days)
	C.	I.	
(2) Field experience—			
(a) Land-boundary surveys—			
Urban			
Rural			
(b) Miscellaneous surveys—			
Engineering			
Mining			
Topographical			
Totals			

* Indicates: C = chainman or linesman; I = instrument man.

- (3) Studies and progress—
- (a) What course is the cadet taking to prepare himself for the profession?
- (b) State subjects of examination passed
- (c) Is the cadet, in your opinion, making satisfactory progress?

SCHEDULE—continued

(4) Any further comments:

I agree that the foregoing is a correct statement of my training and experience during the period specified.

.....
Registered Cadet.

Regs. 11 (3), 24 (4)

Form 2

Survey Board of New Zealand

CERTIFICATE OF SERVICE UNDER ARTICLES

I,, registered surveyor, hereby certify as follows:

- (1) has been professionally and continuously employed under articles with me in the practice of land surveying from to - that is to say, for a period of years and months.
- (2) During the said period he has for (a period of) (periods aggregating) years and months received training from me and practical experience in land-boundary definition.
- (3) During the said period he has for (a period of) (periods aggregating) years and months received training from me and practical experience in rural surveying.
- (4) During the said period he has for (a period of) (periods aggregating) years and months received training from me and practical experience in urban surveying.

Dated at this day of 19.....

.....
Registered Surveyor.

I certify that in my opinion the said is fully competent to effect surveys on his own responsibility.

Dated at this day of 19

.....
Registered Surveyor.

Regs. 28, 29, 30

Form 3

Survey Board of New Zealand

THE SURVEYORS ACT 1938

CERTIFICATE OF COMPETENCY

No.

This is to certify that Mr, of, has duly passed the examinations prescribed by the Survey Board for admission to the profession of a land surveyor.

Dated this day of 19.....

.....
Secretary to the Survey Board.

[Seal of the Board]

SCHEDULE—*continued*

Form 4

Reg. 29 (d)

Survey Board of New Zealand

CERTIFICATE OF PRACTICAL EXPERIENCE

I, Registered Surveyor,
 Registered Civil Engineer,
 hereby certify as follows:

- (1) has been professionally and continuously employed by me in the practice of land surveying from to that is to say, for a period of years months.
- (2) During the said period he has for (a period of) (periods aggregating) months received training from me and practical experience in land-boundary definition.
- (3) During the said period he has for (a period) (periods aggregating) months received training from me and practical experience in engineering surveying.

Dated at this day of 19.....

.....
 Registered Surveyor.
 (or Registered Civil Engineer.)

I certify that in my opinion the said is fully competent to effect surveys on his own responsibility.

Dated at this day of 19.....

.....
 Registered Surveyor.
 (or Registered Civil Engineer.)

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 replace with some changes the Survey Examination Regulations 1953.

The principal changes are—

- (a) The system of articles for pupils is to be abolished as from 1 October 1962, and instead persons desiring to become registered as surveyors must obtain a degree or diploma in land surveying of a University.
- (b) Persons serving articles on 1 October 1962 will have until 31 December 1969 to pass the Survey Board examinations under the existing system.
- (c) There are some changes in the requirements as to practical work to be performed by applicants before they will be qualified for registration.

Issued under the authority of the Regulations Act 1936.

Date of notification in *Gazette*: 23 August 1962.

These regulations are administered in the Department of Lands and Survey