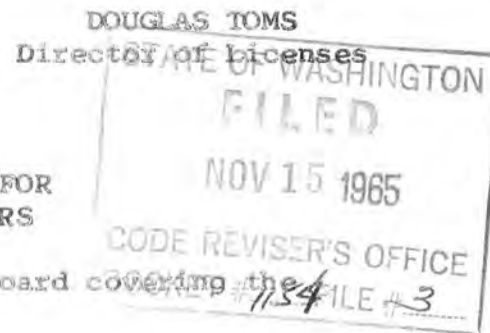


STATE OF WASHINGTON

DANIEL J. EVANS  
Governor



BY-LAWS AND RULES OF PROCEDURE  
of  
WASHINGTON STATE BOARD OF REGISTRATION FOR  
PROFESSIONAL ENGINEERS AND LAND SURVEYORS

Excerpts from the law and rules and regulations of the Board covering the requirements for registration as Professional Engineer.

II. REGISTERED PROFESSIONAL ENGINEER:

A. Applications:

1. ~~The deadlines for receipt of applications, properly filled out and accompanied by the \$15.00 application fee, are May 1st and November 1st of each year. Applications received after the deadline shall be held for the examination given six months later. All persons including those who have previously taken the examination and failed are required to notify the Secretary by May 15th as to the place where they intend to appear. In such cases, where an applicant has previously taken the examination and failed, a new application form is not required.~~

B. Experience Records:

1. Evaluation of Academic Experience:  
The first requirement for registration as a Professional Engineer is a specific record of eight years or more of approved experience in engineering work of a professional grade. The provisions of the law are that any experience gained by college study, as defined below, must be substantiated by an official transcript.
  - (a) Graduation in an approved engineering curriculum of four years or more from an approved college is equivalent to four years of the required experience.
  - (b) Satisfactory completion of each year of such approved engineering course is equivalent to one year of experience.
  - (c) Graduation in a curriculum other than engineering will be evaluated by the Board and may be considered as equivalent to two years of such required experience.
  - (d) Postgraduate study in engineering may be given credit up to one year.
  - (e) Engineering teaching of a character satisfactory to the Board may be recognized as engineering experience, up to a maximum of two years.

2. Colleges Recognized by the Board:

All student's credits from curriculum approved by the Engineers' Council for Professional Development are accepted. In the State of Washington student's credits from other than curriculum approved by the Engineers' Council for Professional Development may be accepted at the discretion of the Board.

C. Examinations:

The examinations are of two days duration: (a) Fundamentals and (b) Branch. The fundamental and branch examinations consists of two sessions, one from 8:00a.m. to noon and the other from 1:00p.m. to 5:00p.m. If an applicant failing one part either (a) & (b), and passing the other has only to repeat the part failed. An applicant may choose to take either the fundamental or branch portion at one examination, and the remaining part at a subsequent examination.

First Day: Engineering Fundamentals covers the following topics:

Mathematics	Physics
Chemistry	Fluid Mechanics
Thermodynamics	Mechanics
Mechanics of Materials	Electricity

Second Day: Specific branch of engineering under which the applicant desires to qualify: (except in Structural Engineering: See IG).

1. The following rules shall apply:

- (a) Applicants who hold Washington Engineer-In-Training certificates are only required to take the examination in the specific branch of engineering under which they desire to qualify.
- (b) Applicants who hold E.I.T. certificates issued to them by other States by virtue of a written examination comparable to that given by the State of Washington may be exempted from taking either the E.I.T. or the fundamental examination.
- (c) All applicants regardless of experience record are required to take the examination in the specific branch of engineering under which they desire to qualify.

2. When and Where Held:

Examinations for Professional Licenses are held each year during the first part of June at Seattle, Spokane and Richland. Examinations are held only in Seattle during the first part of December each year.

D. Evaluation of Candidates for Engineering Licenses:

1. An E.I.T. candidate who receives a grade below 70% in his examination fails.
2. A candidate having passed an E.I.T. examination is required to write only the branch examination. The percentage required to pass the branch examination is 70%. This may be achieved by adding to the percentage made on the examination paper, on half of one percent for each year of experience satisfactory to the Board, (after the statutory eight years).

No candidate can be considered as having passed who receives less than 60% on his examination paper. The maximum percentage that will be allowed for experience is 10%.

3. Candidates who have not passed an E.I.T. examination and write fundamental and branch examinations, must receive a grade of 70% in the combined total. This may be made up by averaging the grades made on the examination papers, fundamental and branch, and adding to it one half of one percent for each year of experience, satisfactory to the Board, (after the statutory eight years.) No candidate can be considered as having passed who has received less than 60% on either fundamental or branch examination.
4. Candidates who have had seventeen or more years of experience satisfactory to the Board (after the statutory eight years experience) may have the fundamental examination waived and be permitted to write the branch examination only. These candidates must attain 70% in the combined total of the examination and experience; allowing 10% maximum for their experience.
5. Certification in Structural, Hydraulic and Sanitary Engineering (see Section G) require a minimum passing grade of 70% on the written examination paper. No percentage points for experience will be credited towards the required passing grade.

E. Holders of E.I.T. certificates:

1. At any time after the holder of an E.I.T. certificate has fulfilled the requirements of four additional years of approved professional experience, he may submit a new application for registration completely filled out and notarized and accompanied by the \$15.00 fee. The portion of the application under 6 "Professional Experience", shall be filled out in detail, giving names and address of employer and name of those familiar with work performed and indicating level of responsibility in each engagement. A second transcript of college record is not required except for postgraduated study claimed as professional experience. It is absolutely essential for the applicant to indicate clearly in his professional application the fact that he holds E.I.T. registration, and the year in which he obtained such registration. Otherwise he may not receive credit for his E.I.T. examination.
2. Holders of E.I.T. certificates will appear on the second day of the regular examination sessions for examination in the specific branch of engineering under which they desire registration.

F. Fees (All checks or money orders shall be made payable to the State Treasurer).

1. Registration:

The registration fee for Professional Engineer is \$25.00. The application must be accompanied by a check or money order for \$15.00; the

remaining \$10.00 is to be paid before issuance of the certificate. Should the Board deny the issuance of the certificate, because of failure of the examination or any other reason, the initial \$15.00 will be retained as an examination fee. An applicant who fails one examination may be re-examined once without payment of additional fee, provided that he advise the Board of his intention to appear for examination prior to the filing date. If he fails again, however, he must submit an additional \$15.00 fee before he may re-appear for examination.

2. Additional Registration:

A Professional Engineer, licensed in Washington, who wished to add a branch to his registration may, if qualified by experience, file a new application for each branch of engineering. Any applicant holding a license as a Professional Engineer, who desire to sit for an examination to add Land Surveying to that of Professional Engineer shall have a minimum of two years (over and above the statutory 8 years) which will total 10 years experience. The record must clearly show 2 years of Professional Boundary experience in surveying. Each application shall be accompanied by the statutory \$15.00 fee.

3. Renewal:

The annual fee for renewal of Professional Engineer's License is \$7.50 and covers the calendar year (January 1 - December 31). The fee must be paid before February 1st if the license is to remain in active standing. Licenses that have been allowed to lapse may be reinstated by payment of the current \$7.50 plus the reinstatement fee of \$7.50.

G. Branches of Registration:

The State of Washington conducts examinations and issues certificates in each of the following branches:

Aeronautical	Metallurgical
Agricultural	Mining
Ceramic	Naval Architecture and Marine Engineering
Chemical	*Specialized Branches
Civil	*Hydraulic
Electrical	*Sanitary
Industrial	*Structural
Logging	
Mechanical	Land Surveying

\*Specialized Branches:

Hydraulic Engineering, Sanitary Engineering and Structural Engineering are considered by the Board to be specialized branches of engineering; therefore, applicants for registration in anyone of these three fields shall have prior registration as a Professional Engineer and shall have not less than two full years of professional practice in the specialized field in which the applicant seeks registration, over and above the requirements for Professional Registration (Statutory eight years).

The examination in Structural Engineering shall be of two full days duration. Examinations in Hydraulic and Sanitary Engineering shall be of one day duration

ADDED NOVEMBER 5, 1965:

The Board will examine candidates for these specialized branches during the May and June Examination sessions only.

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STATE OF WASHINGTON

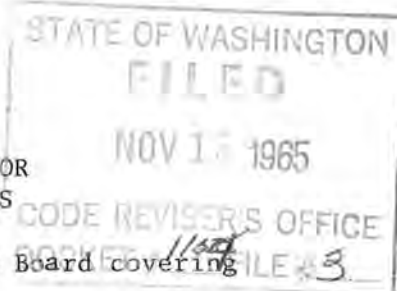
ALBERT D. ROSELLINI  
Governor

MICHAEL T. GRAY  
Director of Licenses

BY-LAWS AND RULES OF PROCEDURE

of

WASHINGTON STATE BOARD OF REGISTRATION FOR  
PROFESSIONAL ENGINEERS AND LAND SURVEYORS



Excerpts from the law and rules and regulations of the Board covering the requirements for registration as a Land Surveyor.

III. REGISTERED PROFESSIONAL LAND SURVEYOR:

The Professional Engineers and Land Surveyors Act provides; Land Surveyor: The term "Land Surveyor" shall mean a person who, through technical knowledge and skill gained by education and/or by experience, is qualified to practice land surveying as hereinafter defined.

The term "practice of land surveying" shall mean assuming responsible charge of the surveying of land for the establishment of corners, lines, boundaries, and monuments, the laying out and subdivision of land, the defining and locating of corners, lines, boundaries and monuments of land after they have been established, the survey of land areas for the purpose of determining the topography thereof, the making of topographical delineations and the preparing of maps and accurate records thereof, when the proper performance of such services requires technical knowledge and skill.

A. Applications:

~~The deadlines for receipt of applications, properly filled out and accompanied by the \$15.00 application fee, are May 1st and November 1st of each year. Applications received after the deadline shall be held for the examination given six months later. Persons having previously taken the examination and failed are required to notify the Secretary by the above deadlines if they intend to appear for examination. In such cases a new application form is not required. All persons are required to notify the Secretary by May 15th and November 15th as to the place where they intend to appear.~~

B. Experience Records:

The first requirement of the law for registration as a Professional Land Surveyor is a specific record of 6 or more years of approved professional experience in land (boundary) surveying. The provisions of the law are that:

1. Graduation in a recognized engineering curriculum of four years or more from a college recognized by the Board is equivalent to four years of the required experience.

2. Satisfactory completion of each year of such recognized engineering course is equivalent to one year of experience.
3. Graduation in a curriculum other than engineering will be evaluated by the Board and may be considered as equivalent to two years of such required experience. It is the responsibility of the applicant to see that the Board is furnished a transcript of his college record when education is claimed as experience.
4. Engineering teaching of a character satisfactory to the Board shall be given credit as experience up to 1 year.
5. A registered professional engineer who applies to be examined to become certified as a Land Surveyor is required to have 2 years acceptable Land Surveying experience, over and above his 8 years acceptable engineering experience. This requires a total of 10 or more years experience. A Professional Land Surveyor who applies to be examined to become a Professional Engineer is required to have 4 years acceptable engineering experience in his branch; over and above the statutory 6 years of acceptable land surveying experience. This also requires a total of 10 years experience.

C. Examinations:

The land surveying examination consists of two full eight-hour sessions given at the regular examination period. All examinations are open book type.

The examination is written and consists of two separate parts in two consecutive days. Each day is divided into two sessions from 8:00 AM to noon and from 1:00 PM to 5:00 PM.

1. First day - - - - Land Surveying - - Rules and Legal Questions
2. Second day - - - - Land Surveying - - Practical Applied Surveying Problems.

A candidate may elect to sit for the examination in two consecutive days or may sit for one part at one examination and the other part at a subsequent examination.

Each day's examination is graded separately, as an example, if an applicant fails the first day's examination and passes the second day he would have to repeat the first day's examination at a subsequent examination date.

A candidate must receive a percentage of 70% in the combined total of written examination and experience. This is made up by averaging the grades on the examination papers plus one half of one percent for each year of approved experience (after the statutory six years). No candidate can be considered as having

passed who receives less than 60% in either the Rules and Legal Questions or Practical Applied Surveying Portions of the examination. The maximum percentage that may be allowed for experience is 10%.

D. Fees (All checks or money orders shall be made payable to State Treasurer)

1. The registration fee for land surveyors is \$15.00 which must be submitted in the form of check or money order with the application. An applicant who fails one examination may be re-examined once without payment of additional fee. If he fails again, however, he must submit a further \$15.00 fee before he may re-appear for examination.
2. The annual fee for renewal of land surveyor license is \$7.50, and covers the calendar year (January 1 - December 31). The fee must be paid before February 1st if the license is to remain in active standing. Licenses that have been allowed to lapse may be reinstated by payment of the current \$7.50 fee plus the reinstatement fee of \$7.50. A professional engineer who holds registration in land surveying pays only the \$7.50 professional engineer renewal fee, as in this case land surveying is considered an added branch.

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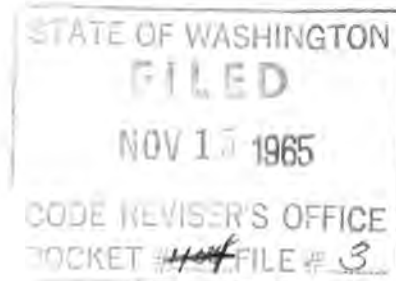




STATE OF WASHINGTON  
BOARD OF REGISTRATION FOR  
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EXECUTIVE SECRETARY

November 9, 1965



Richard O. White  
Code Revisor  
Legislative Building  
Olympia, Washington

Dear Mr. White:

The Board for Professional Engineers and Land Surveyors held a public hearing at 1:30 PM, November 5, 1965 and adopted the following changes in the Rules of the Board: Repealed Section A. Applications, of II. Registered Professional Engineers which now reads:

1. ~~The deadlines for receipt of applications, properly filled out and accompanied by the \$15.00 application fee, are May 1st and November 1st of each year. Applications received after the deadline shall be held for the examination given six months later. All persons including those who have previously taken the examination and failed are required to notify the Secretary by May 15th as to the place where they intend to appear. In such cases, where an applicant has previously taken the examination and failed, a new application form is not required.~~

and authorized the following language:

II. REGISTERED PROFESSIONAL ENGINEER:

A. Applications:

1. The deadline for receipt of applications properly filled out and accompanied by the statutory \$15.00 application fee, are April 1st for the June examination and October 1st for the December examination. Applications received after the deadline dates shall be held for consideration for the examination to be given six months later. Those who have previously taken the examination and failed or those who did not appear for the examination are required to notify the Secretary by the above deadline dates if they intend to appear for the next examination.

Also repealed was III. REGISTERED PROFESSIONAL LAND SURVEYOR:

A. Applications:

1. ~~The deadlines for receipt of applications, properly filled out and accompanied by the \$15.00 application fee, are May 1st~~

~~and November 1st of each year. Applications received after the deadline shall be held for the examination given six months later. Persons having previously taken the examination and failed are required to notify the Secretary by the above deadlines if they intend to appear for examination. In such cases a new application form is not required. All persons are required to notify the Secretary by May 15th and November 15th as to the place where they intend to appear.~~

and authorized the following language:

### III. REGISTERED PROFESSIONAL LAND SURVEYORS

#### A. Applications:

1. The deadline for receipt of applications properly filled out and accompanied by the statutory \$15.00 application fee, are April 1st for the June examination and October 1st for the December examination. Applications received after the deadline dates shall be held for consideration for the examination to be given six months later. Those who have previously taken the examination and failed or those who did not appear for the examination are required to notify the Secretary by the above deadline dates if they intend to appear for the next examination.

Also amended at the Public Hearing: Section G

#### \*Specialized Branches:

Hydraulic Engineering, Sanitary Engineering and Structural Engineering are considered by the Board to be specialized branches of engineering; therefore, applicants for registration in any one of these three fields shall have prior registration as a Professional Engineer and shall have not less than two full years of professional practice in the specialized field in which the applicant seeks registration, over and above the requirements for Professional Registration (Statutory eight years).

#### New Section added:

The examination in Structural Engineering shall be of two full days duration. Examinations in Hydraulic and Sanitary Engineering shall be of one day duration. The Board will examine candidates for these specialized branches during the May and June examinations sessions only.

All amendments above listed are ordered effective January 1, 1966.

A resolution was unanimously adopted which contained all three of the above amendments at the conclusion of the hearing.

Please modify the existing rules of this Board accordingly.

Very truly yours,

*Clarence B. Shain*  
Clarence B. Shain,  
Executive Secretary