11-13

Secretary of State
Certificate and Order for Filing

PERMANENT ADMINISTRATIVE RULES

I certify that the attached copies* are true, full and correct copies of the PERMANENT Rule(s) adopted on November 10, 2009 by the

Oregon State Board of Examiners for Engineering and Land Surveying	Date prior to or same as filing date 820
Agency and Division	Administrative Rules Chapter Number

Mari Lopez, Executive Secretary	670 Hawthorne Avenue, SE Suite 220 Salem, OR 97301	(503) 362-2666 Ext. 26
Rules Coordinator	Address	Telephone

BEELS - 2009

to become effective November 13, 2009. (Date upon filing or later) Rulemaking Notice was published in the October 1, 2009 Oregon Bulletin.** (Month and Year)

RULE CAPTION

To amend or adopt rules that clarify requirements related to registration or application for registration.

Not more than 15 words that reasonably identifies the subject matter of the agency's intended action.

RULEMAKING ACTION

List each rule number separately (000-000-0000)
Secure approval of new rule numbers (Adopted or Renumbered rules) with the Administrative Rules Unit prior to filing.

ADOPT:
OAR 820-010-0480

AMEND:
OAR 820-010-0010, 820-010-0204, 820-010-0206, 820-010-0208, 820-010-0215, 820-010-0225, 820-010-0226, 820-010-0227,820-010-0228, 820-010-0230, 820-010-0300, 820-010-0305, 820-010-0415, 820-010-0425, 820-010-0427, 820-010-0465, 820-010-0470, 820-010-0505, 820-010-0510, 820-010-0520, 820-010-0605, and 820-010-0620

REPEAL:

RENUMBER:

AMEND & RENUMBER:

FILED
NOV 13 2009
ARCHIVES DIVISION
SECRETARY OF STATE

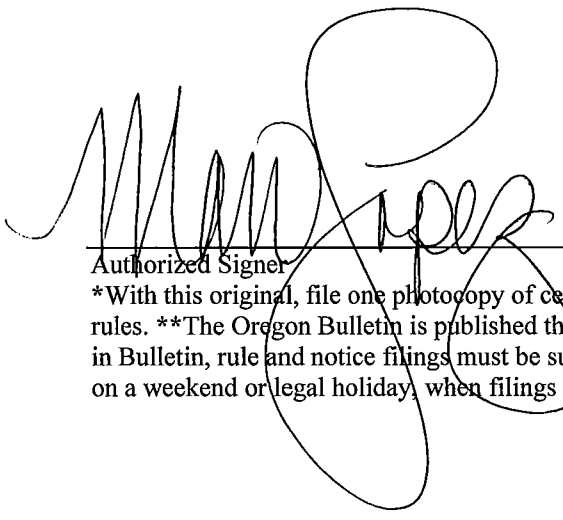
Stat. Auth.: ORS 672.255

Other Auth.: ORS 670.310, 408.450

Stats. Implemented: ORS 672.002 – 672.325

RULE SUMMARY

OAR 820-010-0010 - Definitions - Housekeeping revisions.
OAR 820-010-0204 - Applications for Registration as Professional Engineers (PE) Based on Examination by Another Jurisdiction or by NCEES (1st Registration) - Clarifies the examinations accepted and recognized by the Board.
OAR 820-010-0206 - Applications for Registration as a Professional Land Surveyors (PLS) Based on Examination by Another Jurisdiction or by NCEES (1st Registration) - Clarifies the examinations accepted and recognized by the Board.
OAR 820-010-0208 - Applications for Registration as a Professional Photogrammetrists Based on Examination by Another Jurisdiction or by NCEES (1st Registration) - Clarifies the examinations accepted and recognized by the Board.
OAR 820-010-0215 - Form of Applications - Clarifies information to be submitted with an application for registration.
OAR 820-010-0225 - Educational Qualifications to Take the Fundamentals of Engineering (FE) Examination for Enrollment as an Engineering Intern (EI) - Clarifies the deadline to submit official transcripts to receive results of the FE examination.
OAR 820-010-0226 - Educational Qualifications to Take the Fundamentals of Land Surveying (FLS) Examination for Enrollment as a Land Surveying Intern (LSI) - Clarifies the deadline to submit official transcripts to receive results of the FLS examination.
OAR 820-010-0227 - Educational and Experience Qualifications to Take the Fundamentals of Engineering (FE) Examination for Enrollment as an Engineering Intern (EI) and Applications Based on Non-Accredited Degrees - Housekeeping revisions as a result of changes with the national organization (NCEES).
OAR 820-010-0228 - Combined Educational and Experience Qualifications to Take the Fundamentals of Land Surveying (FLS) Examination for Enrollment as a Land Surveying Intern (LSI) and Applications Based on Non-accredited Degrees - Housekeeping revisions as a result of changes with the national organization (NCEES).
OAR 820-010-0230 - Information to be Furnished by Professional Engineer Applicants - Revises the terms from "in the same field" to "a similar discipline."
OAR 820-010-0300 - Refunds and Charges - Clarifies that re-application fees are also non-refundable.
OAR 820-010-0305 - Fees - Clarifies the reinstatement fees for a registration or certificate.
OAR 820-010-0415 - Nature of the Examination for Professional Engineer (PE) - Housekeeping revisions as a result of changes with the national organization (NCEES).
OAR 820-010-0425 - Nature of Examination for Professional Land Surveyor (PLS) - Housekeeping revisions as a result of changes with the national organization (NCEES).
OAR 820-010-0427 - Nature of Examination for Registered Professional Photogrammetrist (RPP) - Housekeeping revisions as a result of changes with the national organization (NCEES).
OAR 820-010-0465 - Application for Readmission to Examination - Clarifies that reapplications and fees will not be accepted prior to the release of results from the preceding examination.
OAR 820-010-0470 - Review of Examinations - Clarifies the review process for Oregon Specific examinations.
OAR 820-010-0480 - NCEES Examinations - Clarifies the review process for the NCEES examinations.
OAR 820-010-0505 - Biennial Renewal of Registration or Certification - Clarifies that a registration in the retired or delinquent status for a period of over 5 years cannot be renewed.
OAR 820-010-0510 - Registrants Qualified to Practice - Housekeeping revisions to include CWREs.
OAR 820-010-0520 - Registrants Not Qualified to Practice - Housekeeping revisions to include CWREs and delete reference to military registrants.
OAR 820-010-0605 - Address Changes; Service of Notice - Includes requirements to notify the Board of name changes.
OAR 820-010-0620 - Official Seal - Housekeeping revisions and include the Exhibits in the on-line OAR compilation.



Authorized Signer	Mari Lopez Printed name	November 13, 2009 Date

*With this original, file one photocopy of certificate, one paper copy of rules listed in Rulemaking Actions, and electronic copy of rules. **The Oregon Bulletin is published the 1st of each month and updates rules found in the OAR Compilation. For publication in Bulletin, rule and notice filings must be submitted by 5:00 pm on the 15th day of the preceding month unless this deadline falls on a weekend or legal holiday, when filings are accepted until 5:00 pm on the preceding workday. ARC 930-2005

820-010-0010
Definitions
The following definitions and guides have been adopted by the Board to assist registrants and the general public in their interpretation of specific portions of ORS 672.002 to 672.325.
(1) "Board" means the Oregon State Board of Examiners for Engineering and Land Surveying provided by ORS 672.240.
(2) "Practice of engineering" refers to ORS 672.005 and 672.007.
(3) "Technician work" means the time spent on work where the personal responsibility and technical knowledge required are small; that is, where the individual performance of a task, set and supervised by others, is all that is required. It shall also include all time spent in work before an applicant is 18 years old "Technician work" does not include engineering work as described in section (4), land surveying work as described in section (7) or photogrammetric work as described in section (10). Engineering "technician work" includes, but is not limited to, work as an inspector, a laboratory assistant, a design assistant, a survey technician, or a draftsperson. Land Surveying "technician work" includes, but is not limited to, work as a survey technician, a draftsperson, an instrument plotter, or computation work under close supervision and not requiring the exercise of judgment in survey or map design, or decisions on boundary location. Photogrammetric mapping "technician work" includes but is not limited to, work as a photogrammetric mapping technician to perform technical photogrammetric or remote sensing tasks to extract spatial data from photographic imagery, digital imagery or other remotely-sensed data under close supervision and not requiring the exercise of judgment in project design or decisions related to authoritative photogrammetric measurements.
(4) "Engineering work," is work performed after a person is 18 years old and involves work of a higher grade and responsibility than that defined as "technician work." Credit for engineering work will only be given for time worked such that persons performing work for more than one entity during a given period of time will not receive multiple credit for dates worked. Time spent in engineering teaching subsequent to graduation shall be listed as "engineering work." Work performed in conjunction with a course of study provided by a community college, college, university, or any other educational program, for which tuition or similar payment is made, credit is earned, or as a requirement of the program, will not be considered "engineering work."
(5) "Responsible charge," as used in ORS 672.002(9), means to have supervision and control over engineering work as defined in 672.005(1), land surveying work, and photogrammetric mapping, as evidenced by performing substantially the following:
(a) Establishing the manner or method by which services are rendered;
(b) Establishing quality controls for the services rendered;
(c) Communicating with clients;
(d) Reviewing designs, calculations, plans, surveys or maps;
(e) Supplying deficiencies found in or correcting errors contained in designs, calculations, plans, surveys or maps;
(f) Making changes to documents, including but not limited to, designs, plans, plats, surveys or maps; and
(g) With respect to land surveying, reviewing field evidence and making final decisions concerning the placement of survey monuments and surveyed lines.

(6) "Supervision and control," as used in ORS 672.002(10), means establishing the nature of, directing and guiding the preparation of, and approving the work product and accepting responsibility for the work product, as evidenced by performing the following:
(a) Spending time directly supervising the work to assure that the person working under the licensee is familiar with the significant details of the work;
(b) Providing oversight, inspection, observation and direction regarding the work being performed;
(c) Providing adequate training for persons rendering services and working on projects under the licensee;
(d) Maintaining readily accessible contact with the person providing services or performing work by direct proximity or by frequent communication about the services provided or the work performed. Communications between the licensee and persons under the licensee's supervision and control include face-to-face communications, electronic mail, and telephone communications and similar, other communications that are immediate and responsive; and
(e) Applying the licensee's seal and signature to a document.
(7) "Practice of land surveying" refers to ORS 672.005(2) and 672.007.
(8) "Land surveying work" is work performed after a person is 18 years old and involves work of a higher grade and responsibility than that defined as "technician work". Engineering work, not related to the practice of land surveying, is not land surveying work. Credit for land surveying work will only be given for time worked such that persons performing work for more than one entity during a given period of time will not receive multiple credit for dates worked. Work performed in conjunction with a course of study provided by a community college, college, university, or any other educational program, for which tuition or similar payment is made, credit is earned, or as a requirement of the program, will not be considered "land surveying work."
(9) "Practice of photogrammetric mapping" or "practice of photogrammetry" refers to ORS 672.002(7).
(10) "Photogrammetric work" is work performed after a person is 18 years old and involves work of a higher grade and responsibility than that defined as "technician work." Credit for photogrammetric work will only be given for time worked such that persons performing work for more than one entity during a given period of time will not receive multiple credit for dates worked. Time spent teaching photogrammetric mapping after graduation is "photogrammetric work." Work performed in conjunction with a course of study provided by a community college, college, university, or any other educational program, for which tuition or similar payment is made, credit is earned, or as a requirement of the program, will not be considered "photogrammetric work."
(11) Professional Development Hour (PDH) -- A contact hour (nominal) of instruction or presentation. The common denominator for other units of credit.
(12) Continuing Education Unit (CEU) -- Unit of credit customarily used for continuing education courses. One continuing education unit equals 10 hours of class in an approved continuing education course.
(13) College/Unit Semester/Quarter Hour -- Credit for course work in an approved program or other related college course approved in accordance with article (e) of this section.

(14) Course/Activity -- Any qualifying course or activity with a clear purpose and objective which will maintain, improve or expand the skills and knowledge relevant to the licensee's field of practice.
(15) Multiple Registrant means a person who is registered as both a land surveyor and an engineer or is registered as an engineer in two or more disciplines.
(16) "Digital signature" means a type of electronic signature, as allowed by the ORS 84.001 to 84.061, that transforms a message through the use of an algorithm or series of algorithms that provide a key pair, private and public, for signer verification, document security and authentication.
(17) The words "branch" and "discipline" are synonymous as used in OAR chapter 820 divisions 10 and 40.
(18) Acronyms:
(a) ABET -- Accreditation Board for Engineering and Technology, Inc.;
(b) ACCE -- American Council for Construction Education;
(c) ASAC -- Applied Science Accreditation Commission of ABET;
(d) EAC -- Engineering Accreditation Commission of ABET;
(e) EI -- Engineering Intern;
(f) FE -- Fundamentals of Engineering;
(g) FLS -- Fundamentals of Land Surveying;
(h) LSI -- Land Surveying Intern;
(i) NCEES -- National Council of Examiners for Engineering and Surveying;
(j) TAC -- Technology Accreditation Commission of ABET.
(k) PE -- Professional Engineer;
(l) PLS -- Professional Land Surveyor;
(m) RPP -- Registered Professional Photogrammetrist;
(n) CWRE -- Certified Water Right Examiner.
Stat. Auth.: ORS 670.310 & 672.255
Stats. Implemented: ORS 672.002 - 672.325

820-010-0204
Applications for Registration as Professional Engineers (PE) Based on Examination by Another Jurisdiction or by NCEES (1st Registration)
(1) Applicants who are not registered in another jurisdiction but who meet all the requirements for registration in Oregon may be considered for registration if the application is submitted within two years following passing the practical examination as a professional engineer in another jurisdiction or by NCEES. This includes, for example, applicants who have passed the FE and PE examinations in another jurisdiction or by NCEES, but who are not registered in a jurisdiction. This rule does not apply to applicants who are not currently registered due to expired, delinquent, or otherwise invalid certificates of registration.
(2) Application must include:
(a) Experience Details form including active practice in engineering;
(b) Five references that meet the requirements of the OAR 820-010-0255, three of whom hold registration in a NCEES jurisdiction;

(A) Qualifying experience accrued by the applicant must be accompanied by a reference that supervised the work product as meeting the definition of engineering as defined in the OAR 820-010-0010.
(B) References must be submitted on the Board approved Reference Details form.
(C) The Board may, for good cause upon written application, reduce the number of references required.
(c) Official transcripts or evaluation of degree credentials for those degrees not from an ABET accredited program.
(d) Official verification of successful completion of the NCEES Fundamentals of Engineering examination and the NCEES Principles and Practice of Engineering examination.
(3) Before receiving a certificate of registration to practice professional engineering in Oregon, each applicant must pass a take-home examination on the laws and rules in Oregon.
(4) Application must be accompanied by the $375.00 fee.
Stat. Auth.: ORS 670.310, 672.095, & 672.255
Stats. Implemented: ORS 672.002 - 672.325

820-010-0206
Applications for Registration as a Professional Land Surveyors (PLS) Based on Examination by Another Jurisdiction or by NCEES (1st Registration)
(1) Applicants who are not registered in another jurisdiction but who meet all the requirements for registration in Oregon may be considered for registration if the application is submitted within two years following passing the practical examination as a professional land surveyor in another jurisdiction or by NCEES. This includes, for example, applicants who have passed the FLS and PLS examinations in another jurisdiction or by NCEES, but who are not registered in a jurisdiction. This rule does not apply to applicants who are not currently registered due to expired, delinquent, or otherwise invalid certificates of registration.
(2) Application must include:
(a) Experience Details form including active practice in land surveying;
(b) Five references that meet the requirements of the OAR 820-010-0255, three of whom hold registration in a NCEES jurisdiction;
(A) Qualifying experience accrued by the applicant must be accompanied by a reference that supervised the work product as meeting the definition of land surveying as defined in the OAR 820-010-0010.
(B) References must be submitted on the Board approved Reference Details form.
(C) The Board may, for good cause upon written application, reduce the number of references required.
(c) Official transcripts or evaluation of degree credentials for those degrees not from an ABET accredited program.
(d) Official verification of successful completion of the NCEES Fundamentals of Land Surveying examination and the NCEES Principles and Practice of Land Surveying examination.

(3) Before receiving a certificate of registration to practice professional land surveying in Oregon, each applicant must successfully pass a state specific examination covering Oregon law relating to land surveying.
(4) Before receiving a certificate of registration to practice professional land surveying in Oregon, each applicant must pass a take-home examination on the laws and rules in Oregon.
(5) Application must be accompanied by the $375.00 fee.
Stat. Auth.: ORS 670.310, 672.095, 672.157, & 672.255
Stats. Implemented: ORS 672.002 - 672.325

820-010-0208
Applications for Registration as a Professional Photogrammetrists Based on Examination by Another Jurisdiction or by NCEES (1st Registration)
(1) Applicants who are not registered in another jurisdiction but who meet all the requirements for registration in Oregon may be considered for registration if the application is submitted within two years following passing the examination as a photogrammetrist in another jurisdiction or by NCEES. This rule does not apply to applicants who are not currently registered due to expired, delinquent, or otherwise invalid certificates of registration.
(2) Application must include:
(a) Experience Details form including active practice in photogrammetric mapping;
(b) Five references that meet the requirements of the OAR 820-010-0255, three of whom hold registration in a NCEES jurisdiction;
(A) Qualifying experience accrued by the applicant must be accompanied by a reference that supervised the work product as meeting the definition of photogrammetric mapping as defined in the OAR 820-010-0010.
(B) References must be submitted on the Board approved Reference Details form.
(C) The Board may, for good cause upon written application, reduce the number of references required.
(c) Official transcripts or evaluation of degree credentials for those degrees not from an ABET accredited program.
(d) Official verification of successful completion of the NCEES Fundamentals of Land Surveying examination and a professional photogrammetry examination recognized by the Board.
(3) Before receiving a certificate of registration to practice professional photogrammetric mapping in Oregon, each applicant must pass a take-home examination on the laws and rules in Oregon.
(4) Application must be accompanied by the $375.00 fee.
Stat. Auth.: ORS 670.310, 672.095, 672.157, & 672.255
Stats. Implemented: ORS 672.002 - 672.325

820-010-0215
Form of Applications
(1) Applications for registration as professional engineers, professional land surveyors, professional photogrammetrists and for enrollment as an EI, an LSI, or an application for

certification as a water right examiner will be made on printed forms issued by the Board in accordance with Board instructions.
(2) All applications must be accompanied by the appropriate fee.
(3) The following must be submitted to the Board in a single package by the application deadline in OAR 820-010-0442:
(a) Application;
(b) Experience Details form;
(c) Reference Details forms;
(d) Request for Reasonable Accommodations to Oregon Specific Examinations; and
(e) Explanation of any work performed in conjunction with any educational program as defined in OAR 820-010-0010.
(4) Applications for registration as professional engineers, professional land surveyors, or professional photogrammetrists must be accompanied by a completed take-home examination on the laws and rules in Oregon.
(5) The following documents may be submitted by the issuer to the Board office and received no later than March 1 for the Spring examination administration or no later than September 1 for the Fall examination administration:
(a) Official verification of examinations and/or substantially equivalent examinations successfully passed;
(b) Official verification of current registration by another jurisdiction;
(c) Official transcripts or course-by-course evaluations; or
(d) NCEES Records.
(6) Applicants who do not comply with this rule will be considered failing to complete the application process and subject to OAR 820-010-0300.
Stat. Auth.: ORS 670.310, 672.095, 672.157, & 672.255
Stats. Implemented: ORS 672.002 - 672.325

820-010-0225
Educational Qualifications to Take the Fundamentals of Engineering (FE) Examination for Enrollment as an Engineering Intern (EI)
Applicants for admission to examination for enrollment as an EI will be required to submit the following evidence to show eligibility to take the FE examination:
(1) Official transcripts that document the degree and date awarded, demonstrating completion of an engineering curriculum satisfactory to the Board, as described in (3) below.
(2) If taking the examination prior to graduation, a statement signed by an official from the school, university or college that all work necessary to obtain a degree in a curriculum satisfactory to the Board has been or will be completed within four months following the examination as provided in ORS 670.010. An official transcript that documents the degree and date awarded, verifying completion must be received within 6 months of taking the examination, to allow enrollment as an EI. Scores will not be released until the official transcript that documents the degree and date awarded, is received.
(3) For entrance to the FE examination, a curriculum satisfactory to the Board shall include:
(a) Graduation from an EAC of ABET accredited engineering program;
(b) Graduation from a TAC of ABET baccalaureate engineering program;

(c) Graduation from an ACCE accredited four-year baccalaureate construction engineering management program;
(d) Graduation from a graduate degree program in engineering at a college or university that has an EAC of ABET accredited undergraduate degree program in the same field as the graduate degree program, combined with completion of 21 semester/32 quarter hours of engineering related technical course work. The courses shall include at least six of the following nine subjects: Differential Equations, Physics, Statistics, Statics, Dynamics, Thermodynamics, Fluid Mechanics, Electrical Fundamentals and Strength of Materials.
(e) Graduation from TAC of ABET accredited two-year Engineering Technology program or graduation from a two-year Associate of Applied Science program in Engineering Technology that includes the following:
(A) A total of at least 64 semester/96 quarter hours;
(B) At least 32 semester/48 quarter hours in technical courses. (Skills and knowledge of appropriate methods, procedures and techniques; experience in carrying out established engineering procedures);
(C) At least 16 semester/24 quarter hours in math and science, including:
(i) 4 semester/6 quarter hours in basic science (physics, chemistry, earth and life sciences);
(ii) 8 semester/12 quarter hours in mathematics (not including courses below the level of college algebra or courses in computer programming);
(D) At least 9 semester/13 quarter hours in social science, humanities and communications; and
(E) In addition to the educational requirements set forth in paragraph (e) of subsection (3), graduates from two-year programs shall complete two or more years of engineering work before qualifying to take the FE examination for enrollment as an EI. In the alternative, graduates from two-year programs may complete additional course work consisting of 21 semester/32 quarter hours in Differential Equations, Physics, Statistics, Statics, Dynamics, Thermodynamics, Fluid Mechanics, Electrical Fundamentals and Strength of Materials.
(f) Completion of a curriculum that the Board finds has adequately prepared the application for enrollment as an EI.
Stat. Auth.: ORS 670.310 & 672.255
Stats. Implemented: ORS 672.002 - 672.325

820-010-0226
Educational Qualifications to Take the Fundamentals of Land Surveying (FLS) Examination for Enrollment as a Land Surveying Intern (LSI)
Applicants for admission to examination for enrollment as an LSI will be required to submit the following evidence to show eligibility to take the FLS examination:
(1) Official transcripts that document the degree and date awarded, demonstrating completion of a land surveying curriculum satisfactory to the Board, as described in (3) below.
(2) If taking the examination prior to graduation, a statement signed by an official from the school, university or college that all work necessary to obtain a degree in a curriculum satisfactory to the Board has been or will be completed within four months following the examination as provided in ORS 670.010. An official transcript that documents the

degree and date awarded, verifying completion must be received within 6 months of taking the examination, to allow enrollment as an LSI. Scores will not be released until the official transcript that documents the degree and date awarded, is received.
(3) For entrance to the FLS Examination, a curriculum satisfactory to the Board shall include:
(a) Graduation from an EAC of ABET accredited four-year baccalaureate land surveying program;
(b) Graduation from an ASAC of ABET accredited four-year baccalaureate land surveying program;
(c) Graduation from a TAC of ABET accredited four-your baccalaureate land surveying program;
(d) Graduation from an EAC of ABET accredited four-year baccalaureate engineering program with 11 semester/16 quarter hours of surveying instruction and surveying law.
(e) Graduation from a TAC of ABET accredited four-year baccalaureate engineering program with 11 semester/16 quarter hours of surveying instruction and surveying law.
(f) Graduation from an ACCE accredited four-year baccalaureate engineering program with 11 semester/16 quarter hours of surveying instruction and surveying law.
(g) Graduation from a graduate degree program in land surveying at a college or university that has an ABET accredited undergraduate degree program in the same field, combined with completion of 11 semester/16 quarter hours of surveying instruction.
(h) Graduation from an ASAC of ABET accredited two-year Surveying Technology program, a TAC of ABET accredited two-year Surveying Technology program, or a two-year Association of Applied Science program in Surveying Technology or Engineering Technology that includes the following:
(A) A total of at least 64 semester/96 quarter hours;
(B) At least 32 semester/48 quarter hours in technical courses, of which a minimum of 11 semester/16 quarter hours shall be in surveying instruction;
(C) At least 16 semester/24 quarter hours in subjects such as math, science, basic electricity, hydraulics, road design, construction management and estimating engineering economics with college level algebra, trigonometry and statistics;
(D) At least 9 semester/13 quarter hours in social science, humanities and communications; and
(E) In addition to the educational requirements set forth in paragraph (h) of subsection (3), graduates from two-year education programs shall complete two or more years of active practice in land surveying work before qualifying to take the FLS examination for enrollment as an LSI.
(i) Completion of a curriculum that the Board finds adequately prepared the applicant for enrollment as an LSI.
Stat. Auth.: ORS 670.310 & 672.255
Stats. Implemented: ORS 672.002 - 672.325

820-010-0227
Educational and Experience Qualifications to Take the Fundamentals of Engineering (FE) Examination for Enrollment as an Engineering Intern (EI) and Applications Based on Non-Accredited Degrees

(1) An applicant that does not qualify pursuant to OAR 820-010-0225 may apply for admission to the FE examination based on a combination of education and experience in the practice of engineering. Applicants will be allowed to submit as qualifying work experience that work experience obtained based on employment up to the date of the FE examination.
(2) Degrees from educational institutions not identified in OAR 820-010-0225 may be considered as qualifying if they are evaluated by NCEES Credentials Evaluations, and the Board determines that the degree or course work is substantially equivalent to the educational degrees or courses required for degrees for those institutions listed in 820-010-0225. The cost for such evaluation will be borne by the applicant.
(3) Course work from institutions that are identified in OAR 820-010-0225 may be considered as qualifying if the coursework involves engineering principles or was obtained by the applicant while enrolled in an engineering program.
(4) Where an applicant applies for admission to the FE examination on the basis of sections (1) through (3) of this rule, the applicant must also demonstrate that the applicant's years of education when combined with the applicant's years of engineering work total at least 8 years. Work experience in excess of that needed to satisfy this requirement may be included by applicant in a subsequent application to apply for admission to the PE examination.
(5) The Board may give credit for qualifying course work in proportion to the amount of course work completed relative to the degree towards which the course work would apply. For example, completion of one year of a two-year Engineering Technology program may be considered equivalent to one year of education, requiring 7 years of engineering work experience, in accordance with section (4). Qualifying course work includes classes in engineering ethics, fundamentals and design.
(6) An applicant may qualify for admission to the FE examination on the basis of 8 years of engineering work without any qualifying degree or course work.
(7) Applicants for admission to the fundamentals of engineering examination on the basis of experience or combined education and experience will be required to provide a minimum of three references with knowledge of engineering technician work gained as defined in the OAR 820-010-0010.
(a) At least one of the three references must be registered in a NCEES jurisdiction.
(b) Qualifying experience accrued by the applicant must be accompanied by a reference that supervised the work product as meeting the definition of engineering technician work as defined in the OAR 820-010-0010.
(c) References must be submitted on the Board approved Reference Details form. The Reference Details form must be received by the Board office in a sealed envelope.
(d) The Board may, for good cause upon written application, reduce the number of references required.
(8) Application must be accompanied by the $35.00 fee.
Stat. Auth.: ORS 670.310, 672.095, & 672.255
Stats. Implemented: ORS 672.002 - 672.325

820-010-0228

Combined Educational and Experience Qualifications to Take the Fundamentals of Land Surveying (FLS) Examination for Enrollment as a Land Surveying Intern (LSI) and Applications Based on Non-accredited Degrees

(1) An applicant that does not qualify pursuant to OAR 820-010-0226 may apply for admission to the FLS examination based on a combination of education and experience in the practice of land surveying. Applicants will be allowed to submit as qualifying work experience that work experience obtained based on employment up to the date of the FLS examination.

(2) Degrees from educational institutions not identified in OAR 820-010-0226 may be considered as qualifying if they are evaluated by NCEES Credentials Evaluations, and the Board determines that the degree or course work is substantially equivalent to the educational degrees or courses required for degrees for those institutions listed in 820-010-0226. The cost for such evaluation will be borne by the applicant.

(3) Course work from institutions that are identified in OAR 820-010-0226 may be considered as qualifying if the coursework involves land surveying principles or was obtained by the applicant while enrolled in a land surveying program.

(4) Where an applicant applies for admission to the FLS examination on the basis of sections (1) through (3) of this rule, the applicant must also demonstrate that the applicant's years of education when combined with the applicant's years of land surveying work total at least 8 years. Work experience in excess of that needed to satisfy this requirement may be included by applicant in a subsequent application to apply for admission to the PLS examination.

(5) The Board may give credit for qualifying course work in proportion to the amount of course work completed relative to the degree towards which the course work would apply. For example, completion of one year of a two-year Surveying Technology program may be considered equivalent to one year of education, requiring 7 years of surveying work experience, in accordance with section (4). Qualifying course work includes classes in land surveying ethics, fundamentals and application.

(6) An applicant may qualify for admission to the FLS examination on the basis of 8 years of land surveying work without any qualifying degree or course work.

(7) Applicants for admission to the fundamentals of land surveying examination on the basis of experience or combined education and experience will be required to provide a minimum of three references with knowledge of land surveying technician or photogrammetric mapping technician work gained as defined in the OAR 820-010-0010.

(a) At least one of the three references must be registered in a NCEES jurisdiction.

(b) Qualifying experience accrued by the applicant must be accompanied by a reference that supervised the work as meeting the definition of land surveying technician or photogrammetric mapping technician work as defined in the OAR 820-010-0010.

(c) References must be submitted on the Board approved Reference Details form. The Reference Details form must be received by the Board office in a sealed envelope.

(d) The Board may, for good cause upon written application, reduce the number of references required.

(8) Application must be accompanied by the $35.00 fee.

Stat. Auth.: ORS 670.310, 672.095, & 672.255

Stats. Implemented: ORS 672.002 - 672.325

820-010-0230
Information to be Furnished by Professional Engineer Applicants
(1) Applicants for admission to examination for registration as professional engineers will be required to submit evidence to show qualification of eligibility consisting of current enrollment as an EI meeting the requirements of the State of Oregon at the time of enrollment and the following practice experience:
(a) Applicants qualified under OAR 820-010-0225(3)(a), (3)(d), (3)(f), or 820-010-0227 shall complete four or more years of active practice in engineering work in addition to the requirements for admission to examination for enrollment as an EI. Applicants will be allowed to submit as qualifying work experience that work experience obtained based on employment up to the date of the PE examination.
(b) Applicants qualified under OAR 820-010-0225(3)(b), (3)(c) or (3)(e) shall complete six or more years of active practice in engineering work in addition to the requirements for admission to examination for enrollment as an EI. The six years of active practice year requirement may be reduced to four years provided that the applicant completes at least 21 semester/32 quarter hours in a curriculum including: Differential Equations, Physics, Statistics, Statics, Dynamics, Thermodynamics, Fluid Mechanics, Electrical Fundamentals and Strength of Materials.
(2) Active practice in engineering work shall be practice in the applicant's area of competence, in responsible charge performed under the direction and supervision of a licensed engineer.
(3) Graduation from a post-baccalaureate degree program in engineering at a college or university that has an EAC of ABET accredited undergraduate degree program in a similar discipline as the post-baccalaureate degree program may be substituted for one year of the four years of active practice required by this rule so long as the degree was not the basis for admission to the fundamental examination under OAR 820-010-0225(3)(d).
Stat. Auth.: ORS 670.310 & 672.255
Stats. Implemented: ORS 672.002 - 672.325

820-010-0300
Refunds and Charges
(1) Application fees and reapplication fees are non-refundable.
(2) Refunds of application fees and reapplication fees will not be made to individuals who fail to complete the application process, to qualify for, withdraw from, or do not appear for, the examination.
(3) Comity application fees will not be refunded, but may be applied toward examination fee if requested by the applicant and the application has not been denied.
(4) Rescore fees are non-refundable.
(5) If the Board receives payment of any fees by check and the check is deposited and returned to the Board, the payor of the fees will be assessed a charge of $20 in addition to the required payment of the fees.
Stat. Auth.: ORS 670.310 & 672.255
Stats. Implemented: ORS 672.002 - 672.325

820-010-0305
Fees

(1) The Board has determined an outside testing provider will administer examinations on behalf of the Board. In addition to state fees, all approved applicants are charged for the test administration fee in addition to any book or scoring fees or any other examination-related fees. The applicant must pay all these costs in advance to the Board and the outside testing provider. The amount for each specific application is compiled in section (2) of this rule. Where applicable, the initial activation and certificate fee must be included. The total amount for each specific application is compiled in a fee schedule published separately. The amount to be submitted will be equal to a total of items (a) through (c) in this section. Actual dollar amounts for application, initial activation, renewal and certificate are listed in sections (2) and (3) of these rules:
(a) Fee for application.
(b) Fee for initial activation equal to one year renewal (one time fee applies to PE, PLS, RPP, and CWRE only; not applicable to reexamination).
(c) Fee for issuance of first certificate (one time fee applies to PE, PLS, RPP, and CWRE only).
(2) Fees for examination application:
(a) Initial fundamentals of engineering examination application — $35.
(b) Initial fundamentals of land surveying examination application — $35.
(c) Initial professional engineering (PE) examination application — $100.
(d) Initial professional geotechnical examination application — $375.
(e) Initial professional structural engineering examination application — $575.
(f) Initial professional land surveying examination application —$140.
(g) Initial professional photogrammetric mapping examination application — $120.
(h) Certified Water Right Examiner test application — $50.
(i) Fundamentals of engineering examination re-application — $25.
(j) Fundamentals of land surveying examination re-application — $25.
(k) Professional engineering (PE) examination re-application — $90.
(l) Professional geotechnical examination re-application — $365.
(m) Professional structural engineering examination re-application — $565.
(n) National portion of professional structural engineering examination re-application — $85.
(o) Oregon requirement of professional structural engineering examination re-application — $480.
(p) Professional land surveying (PLS) examination re-application — $130.
(q) Oregon law portion of PLS examination re-application — $55.
(r) National portion of PLS examination re-application — $75.
(s) Professional photogrammetric examination re-application — $110.
(t) Certified Water Rights Examiner test re-application — $40.
(u) Proctor Request — $100.
(3) Fees for certification, registration, and renewal:
(a) Professional wall certificate — $35.
(b) Application for registration as a professional engineer — $250.
(c) Application for registration as a professional land surveyor — $250.
(d) Application for registration as a registered professional photogrammetrist — $250.
(e) Temporary permit issued under ORS 672.109 and 672.127 — $100.
(f) Re-issuance of lost or mutilated pocket card — $10.

(g) Issuance of certificate without examination based on experience as provided under ORS 672.255 — $250.
(h) Re-score of an Oregon specific examination — $50.
(i) Annual renewal of a professional engineering certificate — $90.
(j) Annual renewal of a professional land surveyor certificate — $90.
(k) Annual renewal of a registered professional photogrammetrist certificate — $90.
(l) Annual renewal of inactive registration — $45.
(m) Delinquency renewal fee — $80 for any part of each two-year renewal period during delinquency.
(n) Fee for reinstatement for inactive or retired registrant or certificate holder — $225.
(o) Annual renewal of water right examiner certificate — $20.
(p)Verification of exam/licensure — $15.
Stat. Auth.: ORS 670.310, 672.153, 672.155, & 672.255
Stats. Implemented: ORS 672.002 - 672.325

820-010-0415
Nature of the Examination for Professional Engineer (PE)
(1) An applicant to qualify for registration must obtain a passing grade for:
(a) A written examination in engineering fundamentals for qualification as an EI as covered in OAR 820-010-0420, unless exempted from this examination under OAR 820-010-0455. Such examination may be taken at any scheduled examination period but must be passed in order to be admitted to the branch examination as covered in subsection (1)(b) of this rule; and
(b) A written examination in a professional branch of engineering, other than structural engineering, covering practical engineering problems in branches listed in OAR 820-010-0450.
(2) The uniform, national examinations are written and scored by the NCEES and administered by NCEES Exam Administration Services. Acoustical examinations are written, scored and administered by the Board. Forest examinations are written and scored by the Washington State Board of Registration for Professional Engineers and Land Surveyors (Washington Board) and the Oregon Board pursuant to a Memorandum of Understanding entered into between the Washington Board and the Oregon Board. The Oregon Board administers the forest examination in Oregon.
(3) Before receiving a certificate of registration to practice professional engineering in Oregon, each applicant must pass a take-home examination on the laws and rules in Oregon.
Stat. Auth.: ORS 670.310 & 672.255
Stats. Implemented: ORS 672.002 – 672.325

820-010-0425
Nature of Examination for Professional Land Surveyor (PLS)
(1) An applicant to qualify for registration must obtain a passing grade for:
(a) A written examination in land surveying fundamentals as covered in OAR 820-010-0430 unless exempted for this examination under OAR 820-010-0455. Such examination may be taken at any scheduled period but must be passed in order to be admitted to the examination in subsection (1)(b) of this rule;

(b) A written examination in practical land surveying problems; and
(c) A four-hour Oregon specific examination covering the U. S. Public Land Survey system, Oregon laws relating to land surveying, and other matters.
(2) The uniform, national examinations referenced in sections (1)(a) and (1)(b) are written and scored by the NCEES and administered by NCEES Exam Administration Services. The four-hour Oregon specific examination is written, scored and administered by the Board.
(3) Before receiving a certificate of registration to practice professional land surveying in Oregon, each applicant must pass a take-home examination on the laws and rules in Oregon.
Stat. Auth.: ORS 670.310 & 672.255
Stats. Implemented: ORS 672.002 – 672.325

820-010-0427
Nature of Examination for Registered Professional Photogrammetrist (RPP)
(1) An applicant to qualify for registration must obtain a passing grade for:
(a) A written examination in land surveying fundamentals as covered in OAR 820-010-0430. Such examination may be taken at any scheduled period but must be passed in order to be admitted to the examination as covered in subsection (1)(b) of this rule;
(b) A written examination in practical photogrammetric mapping problems.
(2) The land surveying fundamentals examination is written and scored by NCEES and administered by NCEES Exam Administration Services. The practical photogrammetric mapping problems examination is written, scored and administered by the Board.
(3) At the discretion of the Board, any applicant may be requested to appear for an oral interview before the Board or any member thereof. Such interview is to be for the purpose of reviewing the applicant's educational background, experience record, or examination, or to review examples of the applicant's work, or to assist the Board in determining that the applicant fully meets the required qualifications.
(4) Before receiving a certificate of registration to practice professional photogrammetric mapping in Oregon, each applicant must pass a take-home examination on the laws and rules in Oregon.
Stat. Auth.: ORS 670.310 & 672.255
Stats. Implemented: ORS 672.002 - 672.325

820-010-0465
Application for Readmission to Examination
(1) Applicants for registration as a PE, PLS, or RPP, and for EI and LSI enrollment who did not achieve a passing grade in their first and second written examinations will, before re-admittance to a subsequent examination, be required to submit valid evidence of further preparation on their part. Such evidence must include proof of one or more of the following;
(a) Courses of study undertaken;
(b) Special training; or
(c) Additional experiences gained since their last examination.
(2) In all cases, submitted proof must be satisfactory to the Board.

(3) Reapplication and fees will not be accepted prior to the release of the results from the preceding examination.
Stat. Auth.: ORS 670.310 & 672.255
Stats. Implemented: ORS 672.002 - 672.325

820-010-0470
Review of Examinations Administered by the Board
(1) With respect to the acoustical, forest, and four-hour Oregon Specific land surveying examinations administered by the board, an applicant may submit a written request to review the applicant's own examination results. The board will allow an examination review where the applicant failed the examination and the applicant achieved a score within five points of the cutoff score. With respect to such reviews,
(a) An applicant may examine the test booklet, solution pamphlet and answer key.
(b) An acoustical, forest, or Oregon Land Survey 4-hour Law applicant may review the examination on only one occasion. The board will prescribe a time and place for the review. Applicants must notify the board at least five days before the scheduled date that they review their examinations. Applicants who fail to review their examination at the prescribed time and place will not be allowed to reschedule a review of the examination.
(c) All examination reviews will be conducted in the presence of a person designated by the board.
(d) Except as allowed by the board for persons requiring disability assistance, no person may accompany the applicant during the examination review.
(e) The applicant will not take any materials into nor remove any materials from the location where the examination review is conducted.
(f) The applicant may prepare and submit a written request for rescoring the applicant's examination, provided that the applicant's score otherwise satisfies the requirements of this section, while at the location where the examination review is conducted.
(2) The board may rescore an essay response for a qualified applicant if the applicant demonstrates, in writing, sufficient technical justification that their solution deserves reconsideration. The board's rescore determination is final and not subject to further review. An applicant requesting the board to rescore an examination must submit, with the written request, the fee provided for in subsection 4.
(3) Fee for rescore requests of examinations.
Acoustical, forest, or Oregon Land Survey 4-hour Law examination — $50/ per item to be rescored. Fee is payable to the Oregon State Board of Examiners for Engineering and Land Surveying (OSBEELS).
(4) As the Washington Board does not facilitate examination reviews and appeals, Washington Structural III examination reviews are not permitted.
(5) As the California Board does not facilitate examination reviews and appeals, California Geotechnical examination reviews are not permitted.
(6) Photogrammetry examination reviews are not permitted.
Stat. Auth.: ORS 670.310 & 672.255
Stats. Implemented: ORS 672.002 - 672.325

820-010-0480
NCEES Examinations

(1) As NCEES does not facilitate examination reviews and appeals, NCEES examination reviews are not permitted.
(2) Examinees are subject to the NCEES Examination Administration Policies. The Board will consider recommendations from NCEES, including the invalidation of examination results and further investigations, for any breach of examination security and examination subversion.
Stat. Auth.: ORS 670.310 & 672.255
Stats. Implemented: ORS 672.002 - 672.325

820-010-0505
Biennial Renewal of Registration or Certification
(1) Registration as a professional engineer, professional land surveyor, or professional photogrammetrist with the Board is on a biennial renewal schedule. As a condition of registration renewal, registrants must comply with the continuing professional development requirements in OAR 820-010-0635. Certification of completing the required professional development requirements and fee must be postmarked or hand delivered by 5:00 p.m. on the day of the expiration date of the registration. The biennial fee to renew a registration is described below:
(a) Professional Engineer — $180.00;
(b) Professional Land Surveyor — $180.00;
(c) Professional Photogrammetrist — $180.00;
(2) Certification as a certified water right examiner is on a biennial renewal schedule. The fee must be postmarked or hand delivered by 5:00 p.m. on the day of the expiration date of the certification. The biennial fee to renew a certification as a water right examiner is $40.00
(3) A delinquent fee of $80.00 will be assessed on the first day following the expiration date of each registration or certification, for each biennial renewal period in which payment or certification of completing the required continuing professional development hours is not submitted.
(4) Registrations or certificates in the delinquent or retired status for a period of 5 years or more may not be renewed. Delinquent or retired registrants or certificate holders must re-apply and re-take any applicable examination to obtain their certificate of registration or other certificate after a period of 5 years.
Stat. Auth.: ORS 670.310, 672.160, 672.170, & 672.255
Stats. Implemented: ORS 672.002 - 672.325

820-010-0510
Registrants or Certificate Holders Qualified to Practice
Active registrants or certificate holders authorized to engage in the professional practice of engineering, land surveying, [*or*] photogrammetric mapping, or the professional activities of a certified water right examiner as defined in ORS Chapter 537 and OAR Chapter 690 and who are current with regards to payment of application and biennial renewal fees and continuing Professional Development Hour (PDH) requirements, if applicable, may practice in their respective professions. These registrants maintain an "active status."

Stat. Auth: ORS 672.255(1)(g).
Stats. Implemented: ORS 672.020(1), 672.025(1), 672.028(1), 672.045(1)

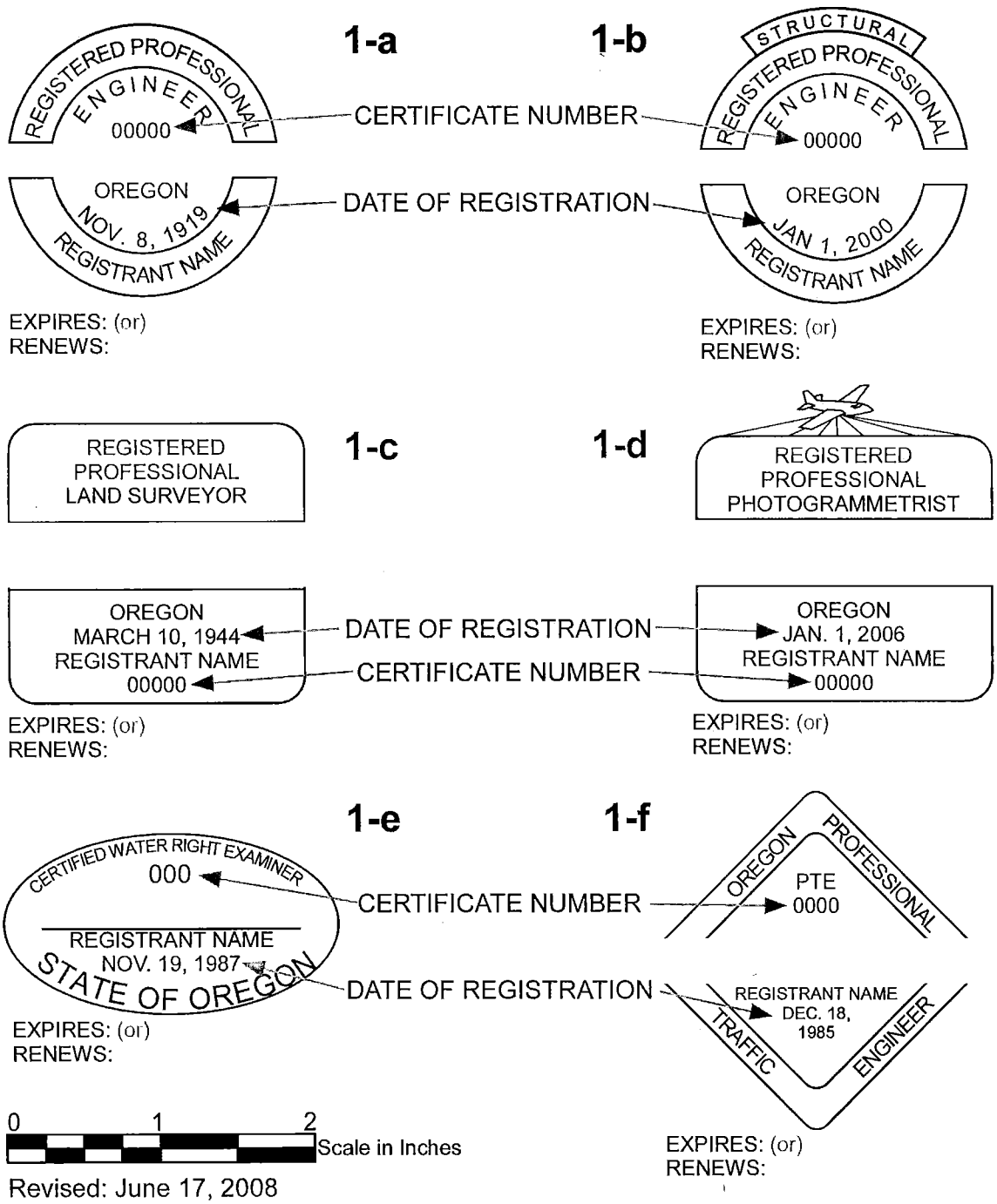
820-010-0520
Registrants or Certificate Holders Not Qualified to Practice
Registrants or certificate holders who are delinquent, retired, inactive, suspended or revoked by the Board, are not authorized to engage in the professional practice of engineering, land surveying, photogrammetric mapping, or the professional activities of a certified water right examiner as defined in ORS Chapter 537 and OAR Chapter 690. Except as provided in section (2), registrants or certificate holders who are delinquent, retired, inactive, suspended or revoked may not hold out as professional engineers, professional land surveyors, professional photogrammetrists, or certified water right examiners.
(1) Delinquent registrants or certificate holders. Registrants or certificate holders become delinquent because they fail, within a period of five years from the renewal date, to renew their certificate of registration or to pay their renewal fees or satisfy the required PDH units. A delinquent registrant or certificate holder may return to active status:
(a) Upon application to the Board;
(b) By paying the delinquent renewal fee required by OAR 820-010-0305(3);
(c) By paying the biennial renewal fee required by OAR 820-010-0505; and
(d) If applicable, by satisfying and submitting proof of completion on a form approved by the Board of all delinquent PDH units, at a rate of 15 PDH units per year delinquent, to a maximum of 30 PDH units as stated in OAR 820-010-0635.
(2) Retired registrants or certificate holders. Registrants or certificate holders may retire once they notify the Board that they are not providing engineering, land surveying, photogrammetric mapping services, or professional activities of a certified water right examiner to the public and they request retired status. Registrants or certificate holders who are retired may not use their seal. However, retired registrants may sign documents, listing after their name the designation "PE (Retired)," "SE (Retired)," "PLS (Retired)," "Photogrammetrist (Retired)," or "CWRE (Retired)," as appropriate. A retired registrant or certificate holder may, within a period of 5 years from retirement, return to active status:
(a) Upon application to the Board.;
(b) Successfully pass a take-home examination on the laws and rules in Oregon;
(c) By paying the reinstatement fee required by OAR 820-010-0305(3);
(d) By paying the biennial renewal fee required by OAR 820-010-0505; and
(e) If applicable, by satisfying and submitting proof of completion on a form approved by the Board of 15 PDH units per year for each year (or part of a year) retired, to a maximum of 30 PDH units as stated in OAR 820-010-0635.
(3) Inactive registrants or certificate holders. Registrants or certificate holders may place their license or certification on inactive status if the registrant or certificate holder has suffered a debilitating mental or physical illness, injury or disease that prevents the registrant or certificate holder from engaging in the professional practice.
Registrants or certificate holders must request to be placed on inactive status. Registrants or certificate holders making such requests must provide documentation prepared by a licensed physician that the registrant or certificate holder suffers from a specific, named

debilitating mental or physical illness, injury or disease that prevents the registrant from engaging in the professional practice, and an estimate of the period of time during when the illness, injury or disease will last or whether it is of an unlimited duration. An inactive registrant or certificate holder may return to active status:
(a) Upon application to the Board;
(b) Successfully pass a take-home examination on the laws and rules in Oregon;
(c) By paying the reinstatement fee required by OAR 820-010-0305(3);
(d) By paying the biennial renewal fee required by OAR 820-010-0505; and
(e) If applicable, by satisfying and submitting proof of completion on a form approved by the Board of 15 PDH units per year for each year (or part of a year) inactive, to a maximum of 30 PDH units as stated in OAR 820-010-0635.
Stat. Auth: ORS 672.255(1)(g)
Stats. Implemented: ORS 672.170(4), 672.180 & 672.255(1)(g)

820-010-0605
Address Changes; Service of Notice; and Name Changes
(1) It is the registrant's responsibility to inform the Board in writing, within 30-days, of any address change, including any change of an e-mail address. Notice by registered or certified mail to the registrant's last address on file with the Board shall constitute service.
(2) It is the registrant's responsibility to inform the Board in writing, within 30-days, of any name change. Documentation showing current legal name must be submitted.
Stat. Auth.: ORS 670.310 & 672.255
Stats. Implemented: ORS 672.002 - 672.325

820-010-0620
Official Seal
(1) Seals, as referenced by ORS 672.020(2) and 672.025(2), must contain the printed name of the registrant, the date of registration, the number of the registrant's certificate of registration, and the registrant's professional title. The registrant's printed name on the seal will be exactly the same as the name printed on registrant's certificate of registration.
(2) The size, design and content of the seal will be an exact replica, in style, of the examples shown in Exhibit 1 (Official Seals) for the profession or branch of the profession in which the registrant is licensed. (A tolerance of 1/4" is permitted as to the size of the seal). The expiration or renewal date may be made part of the seal. If the expiration or renewal date is not made part of the seal, it must be handwritten, in permanent ink, after the word "Expires" or "Renews." Reduced or enlarged seals are not permitted on final documents. In addition to these requirements, registrants will use the following seals:
(a) Professional engineers holding a structural engineering certificate will use the seal with the designation "Structural" above the words "Registered Professional Engineer," as shown in Exhibit 1-b. Other registered professional engineers will use the seal shown in Exhibit 1-a;
(b) Registered professional traffic engineer, who may practice only traffic engineering will use the seal shown in Exhibit 1-f;
(c) Registered professional land surveyors will use the seal shown in Exhibit 1-c;
(d) Registered professional photogrammetrists will use the seal shown in Exhibit 1-d;

(e) Registered water rights examiners will use the seal shown in Exhibit 1-e.
(3) The seal may be applied to a document by rubber stamp or it may be computer-generated onto the document.
(4) The registrant will sign through the middle of the seal or in the place on the seal as indicated for signature, in handwriting, and in permanent ink.
(5) A digital signature, as an option to a handwritten signature in permanent ink is acceptable for final documents.
(a) The digital signature must be:
(A) Unique to the registrant using it; and
(B) Capable of verification; and
(C) Under the sole control of the registrant using it; and
(D) Linked to a document in such a manner that the digital signature is invalidated if any data in the document is changed.
(b) Documents signed using a digital signature will bear the phrase "digital signature" in place of the handwritten signature.
(6) Only individuals registered as professional engineers, professional traffic engineers, professional land surveyors, professional photogrammetrists, or certified water rights examiners may use a seal with a shape, form or wording similar to those shown in Exhibit 1. Using such a seal without registration constitutes falsely representing that the person is authorized to practice the profession.



Revised: June 17, 2008

Stat. Auth.: ORS 670.310 & 672.255
Stats. Implemented: ORS 672.002 - 672.325