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SENATE DRS35154-LU-64C* (03/12)

Short Title: Clarifying Changes/Engineers/Surveyors Laws.

(Public)

Sponsors: Senator Rabon (Primary Sponsor).

Referred to:

1 A BILL TO BE ENTITLED
2 AN ACT TO MAKE CLARIFYING CHANGES TO THE LAWS REGULATING
3 ENGINEERS AND LAND SURVEYORS.

4 The General Assembly of North Carolina enacts:

5 SECTION 1. G.S. 89C-3 reads as rewritten:

6 "§ 89C-3. Definitions.

7 The following definitions apply in this Chapter:

8 (1) Board. – The North Carolina State Board of Examiners for Engineers and
9 Surveyors provided for by this Chapter.

10 (1a) Business firm. – A partnership, firm, association, or another organization or
11 group that is not a corporation and is acting as a unit.

12 (2) Engineer. – A person who, by reason of special knowledge and use of the
13 mathematical, physical and engineering sciences and the principles and
14 methods of engineering analysis and design, acquired by engineering
15 education and engineering experience, is qualified to practice engineering.

16 (3) ~~Engineering~~ Engineer intern. – A person who complies with the
17 requirements for education, experience and character, and has passed an
18 examination ~~in the fundamental engineering subjects, on the fundamentals of~~
19 engineering as provided in this Chapter.

20 (3a) Inactive licensee. – Licensees who are not engaged in the practice of
21 engineering or land surveying in this ~~State.~~ State, but renew their licenses as
22 "inactive" as provided in this Chapter.

23 (4) Land surveyor intern. – A person who ~~has qualified for, taken,~~ complies with
24 the requirements for education, experience, and character and has passed an
25 examination on the ~~basic disciplines~~ fundamentals of land surveying as
26 provided in this Chapter.

27"

28 SECTION 2. G.S. 89C-13 reads as rewritten:

29 "§ 89C-13. General requirements for licensure.

30 (a) Engineer Applicant. – ~~To be eligible for licensure as a professional engineer, an~~
31 ~~applicant must be of good character and reputation. An applicant desiring to take the~~
32 ~~examination in the fundamentals of engineering must submit three character references, one of~~
33 ~~whom shall be a professional engineer. An applicant desiring to take the examination in the~~
34 ~~principles and practice of engineering must submit five references, two of whom shall be~~
35 ~~professional engineers having personal knowledge of the applicant's engineering experiences.~~



* D R S 3 5 1 5 4 - L U - 6 4 C *

1 The following shall be considered as minimum evidence satisfactory to the Board that the
 2 applicant is qualified for licensure: ~~licensure~~ as a professional engineer:

3 (1) ~~As a professional engineer (shall meet one):~~ To be certified as an engineer
 4 intern, an applicant shall (i) pass the fundamentals of engineering
 5 examination and make application to the Board; (ii) be of good character and
 6 reputation; (iii) submit three character references to the Board, one of whom
 7 is a professional engineer; (iv) comply with the requirements of this Chapter;
 8 and (v) meet one of the following requirements:

9 a. Education. – Be a graduate of an engineering curriculum or related
 10 science curriculum of four years or more, approved by the Board as
 11 being of satisfactory standing or a student who is graduating within
 12 two semesters, or the equivalent, of the semester in which the
 13 fundamentals of engineering examination is administered.

14 b. Education and experience. – Be a graduate of an engineering
 15 curriculum or related science curriculum of four years or more, other
 16 than curriculums approved by the Board as being of satisfactory
 17 standing, or possess equivalent education and engineering experience
 18 satisfactory to the Board with a specific record of four or more years
 19 of progressive experience on engineering projects of a grade and
 20 character satisfactory to the Board.

21 (1a) To be licensed as a professional engineer, an applicant shall (i) be of good
 22 character and reputation; (ii) submit five character references to the Board,
 23 two of whom are professional engineers with personal knowledge of the
 24 applicant's engineering experience; (iii) comply with the requirements of this
 25 Chapter; and (iv) meet one of the following requirements:

26 ...
 27 b. E.I. Certificate, Experience, and Examination. – A holder of a
 28 certificate of ~~engineering engineer intern~~ issued by the Board, and
 29 with a specific record of an additional four years or more of
 30 progressive experience on engineering projects of a grade and
 31 character which indicates to the Board that the applicant may be
 32 competent to practice engineering, shall be admitted to the principles
 33 and practice of engineering examination. Upon passing the
 34 examination, the applicant shall be granted a certificate of licensure
 35 to practice professional engineering in this State, provided the
 36 applicant is otherwise qualified.

37 ...

38 At its discretion the Board may require an applicant to submit exhibits, drawings, designs,
 39 or other tangible evidence of engineering work which the applicant personally accomplished or
 40 supervised.

41 ~~The following shall be considered as minimum evidence that the applicant is qualified for~~
 42 ~~certification:~~

43 (2) ~~As an engineering intern (shall meet one):~~

44 a. ~~Graduation and Examination. — A graduate of an engineering~~
 45 ~~curriculum or related science curriculum of four years or more,~~
 46 ~~approved by the Board as being of satisfactory standing, or a student~~
 47 ~~who is graduating within two semesters, or the equivalent, of the~~
 48 ~~semester in which the fundamentals of engineering examination is~~
 49 ~~administered, shall be admitted to the fundamentals of engineering~~
 50 ~~examination. The applicant shall be notified if the examination was~~

1 ~~passed or not passed and if passed he shall be certified as an~~
2 ~~engineering intern if the applicant is otherwise qualified.~~

- 3 ~~b. Graduation, Experience, and Examination. — A graduate of an~~
4 ~~engineering or related science curriculum of four years or more,~~
5 ~~other than the ones approved by the Board as being of satisfactory~~
6 ~~standing, or with equivalent education and engineering experience~~
7 ~~satisfactory to the Board and with a specific record of four or more~~
8 ~~years of progressive experience on engineering projects of a grade~~
9 ~~and character satisfactory to the Board, shall be admitted to the~~
10 ~~fundamentals of engineering examination. The applicant shall be~~
11 ~~notified if the examination was passed or not passed and if passed,~~
12 ~~the applicant shall be certified as an engineering intern if the~~
13 ~~applicant is otherwise qualified.~~

14 (b) Land Surveyor Applicant. — ~~To be eligible for admission to examination for land~~
15 ~~surveyor intern or professional land surveyor, an applicant must be of good character and~~
16 ~~reputation and shall submit five references with the application for licensure as a land surveyor,~~
17 ~~two of which references shall be professional land surveyors having personal knowledge of the~~
18 ~~applicant's land surveying experience, or in the case of an application for certification as a land~~
19 ~~surveyor intern by three references, one of which shall be a licensed land surveyor having~~
20 ~~personal knowledge of the applicant's land surveying experience.~~

21 The evaluation of a land surveyor applicant's qualifications shall involve a consideration of
22 the applicant's education, ~~technical-technical~~, and land surveying experience, exhibits of land
23 surveying projects with which the applicant has been associated, and recommendations by
24 references. The land surveyor applicant's qualifications may be reviewed at an interview if the
25 Board determines it necessary. Educational credit for institute courses, correspondence courses,
26 or other courses shall be determined by the Board.

27 The following shall be considered ~~a-as~~ minimum evidence satisfactory to the Board that the
28 applicant is qualified for licensure as a professional land surveyor ~~or for certification as a land~~
29 ~~surveyor intern respectively: surveyor:~~

- 30 (1) ~~As a professional land surveyor (shall meet one):~~To be certified as a land
31 surveyor intern, an applicant shall (i) pass the fundamentals of land
32 surveying examination and make application to the Board; (ii) be of good
33 character and reputation; (iii) submit three character references to the Board,
34 one of whom is a professional land surveyor; (iv) comply with the
35 requirements of this Chapter; and (v) satisfy one of the following
36 requirements related to education and experience:
37 a. Be a graduate of a surveying curriculum of four years or more or
38 other equivalent curriculum in surveying approved by the Board. An
39 applicant meeting the requirements of this sub-subdivision shall be
40 certified as a surveying intern if the applicant is otherwise qualified.
41 b. Have rightful possession of an associate degree in surveying
42 technology approved by the Board, a record satisfactory to the Board
43 of four years of progressive practical experience, two years of which
44 shall have been under a practicing professional land surveyor, and
45 have satisfactorily passed a written and oral examination as required
46 by the Board.
47 c. Have graduated from high school or completed a high school
48 equivalency certificate with a record satisfactory to the Board of 10
49 years of progressive, practical experience, six years of which shall
50 have been under a practicing licensed land surveyor, and have

satisfactorily passed any oral and written examinations required by the Board.

(1a) To be licensed as a professional land surveyor, an applicant shall (i) be of good character and reputation; (ii) submit five character references to the Board, two of whom are professional land surveyors with personal knowledge of the applicant's land surveying experience; (iii) comply with the requirements of this Chapter; and (iv) meet one of the following requirements:

(2) ~~As a land surveyor intern (shall meet one):~~

a. ~~Rightful possession of an associate degree in surveying technology approved by the Board, a record satisfactory to the Board of four years of progressive practical experience, two years of which shall have been under a practicing professional land surveyor, and satisfactorily passing a written and oral examination as required by the Board.~~

b. ~~Repealed by Session Laws 2005-296, s. 1.~~

e. ~~Graduation from high school or the completion of a high school equivalency certificate and a record satisfactory to the Board of 10 years of progressive, practical experience, six years of which shall have been under a practicing licensed land surveyor and satisfactorily passing any oral and written examinations required by the Board.~~

d. ~~Graduation and examination.— A graduate of a surveying curriculum or other equivalent curriculum in surveying approved by the Board or a student who is graduating within two semesters, or the equivalent, of the semester in which the fundamentals of surveying examination is administered, in an accredited surveying program of four years or more shall be admitted to the fundamentals of surveying examination. The applicant shall be notified if the examination was passed or not passed, and if passed the applicant shall be certified as a surveying intern if the applicant is otherwise qualified.~~

The Board shall require an applicant to submit exhibits, drawings, plats, or other tangible evidence of land surveying work executed by the applicant under proper supervision and which the applicant has personally accomplished or supervised."

SECTION 3. G.S. 89C-15(b) reads as rewritten:

"(b) ~~Written examinations~~Examinations will be given in sections and may be taken only after the applicant has met the other minimum requirements as given in G.S. 89C-13 and has been approved by the Board for admission to the examination as follows:

(1) ~~Engineering Fundamentals~~Fundamentals of Engineering. – Consists of an ~~eight hour~~ examination on the fundamentals of engineering. Passing this examination qualifies the applicant for an ~~engineering~~engineer intern certificate, provided the applicant has met all other requirements for licensure required by this Chapter.

(2) Principles and Practice of Engineering. – Consists of an ~~eight hour~~ examination on applied engineering. Passing this examination qualifies the applicant for licensure as a professional engineer, provided the applicant has met the other requirements for ~~registration~~licensure required by this Chapter.

(3) ~~Surveying Fundamentals~~Fundamentals of Land Surveying. – Consists of an ~~eight hour~~ examination on the ~~elementary disciplines~~fundamentals of land surveying. Passing this examination qualifies the applicant for a land

- 1 surveyor intern certificate provided the applicant has met all other
2 requirements for certification required by this Chapter.
- 3 (4) Principles and ~~Practices~~Practice of Land Surveying. – Consists of a
4 ~~six-hour~~an examination on the ~~basic~~and applied disciplines of land
5 surveying and a ~~two-hour~~an examination on requirements specific to the
6 practice of land surveying in North Carolina. Passing each of these
7 examinations qualifies the applicant for a professional land surveyor
8 certificate provided the applicant has met all other requirements for
9 certification required by this Chapter."
- 10 **SECTION 4.** This act is effective when it becomes law.