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**SUBSTITUTE HOUSE BILL 2633**

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**State of Washington**

**56th Legislature**

**2000 Regular Session**

**By** House Committee on Commerce & Labor (originally sponsored by Representatives B. Chandler, O'Brien, McMorris, Wood, Conway, Clements and Hurst)

Read first time 02/02/2000. Referred to Committee on .

1 AN ACT Relating to registration of structural engineers; and  
2 amending RCW 18.43.040.

3 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF WASHINGTON:

4 **Sec. 1.** RCW 18.43.040 and 1995 c 356 s 2 are each amended to read  
5 as follows:

6 The following will be considered as minimum evidence satisfactory  
7 to the board that the applicant is qualified for registration as a  
8 professional engineer, engineer-in-training, professional land  
9 surveyor, or land-surveyor-in-training, respectively:

10 As a professional engineer: A specific record of eight years or  
11 more of experience in engineering work of a character satisfactory to  
12 the board and indicating that the applicant is competent to practice  
13 engineering; and successfully passing a written or oral examination, or  
14 both, in engineering as prescribed by the board.

15 Graduation in an approved engineering curriculum of four years or  
16 more from a school or college approved by the board as of satisfactory  
17 standing shall be considered equivalent to four years of such required  
18 experience. The satisfactory completion of each year of such an  
19 approved engineering course without graduation shall be considered as

1 equivalent to a year of such required experience. Graduation in a  
2 curriculum other than engineering from a school or college approved by  
3 the board shall be considered as equivalent to two years of such  
4 required experience: PROVIDED, That no applicant shall receive credit  
5 for more than four years of experience because of undergraduate  
6 educational qualifications. The board may, at its discretion, give  
7 credit as experience not in excess of one year, for satisfactory  
8 postgraduate study in engineering.

9 Structural engineering is recognized as a specialized branch of  
10 professional engineering. To receive a certificate of registration in  
11 structural engineering, an applicant must hold a current registration  
12 in this state in engineering and have at least two years of structural  
13 engineering experience, of a character satisfactory to the board, in  
14 addition to the eight years' experience required for registration as a  
15 professional engineer. An applicant for registration as a structural  
16 engineer must also pass an additional examination as prescribed by the  
17 board. Applicants for a certificate of registration in structural  
18 engineering who have had their application approved by the board prior  
19 to July 1, 2001, are not required to have an additional two years of  
20 structural engineering experience if the applicant passes the  
21 additional structural examination before January 30, 2002.

22 As an engineer-in-training: An applicant for registration as a  
23 professional engineer shall take the prescribed examination in two  
24 stages. The first stage of the examination may be taken upon  
25 submission of his or her application for registration as an engineer-  
26 in-training and payment of the application fee prescribed in RCW  
27 18.43.050 at any time after the applicant has completed four years of  
28 the required engineering experience, as defined in this section, or has  
29 achieved senior standing in a school or college approved by the board.  
30 The first stage of the examination shall test the applicant's knowledge  
31 of appropriate fundamentals of engineering subjects, including  
32 mathematics and the basic sciences.

33 At any time after the completion of the required eight years of  
34 engineering experience, as defined in this section, the applicant may  
35 take the second stage of the examination upon submission of an  
36 application for registration and payment of the application fee  
37 prescribed in RCW 18.43.050. This stage of the examination shall test  
38 the applicant's ability, upon the basis of his or her greater

1 experience, to apply his or her knowledge and experience in the field  
2 of his or her specific training and qualifications.

3 As a professional land surveyor: A specific record of eight years  
4 or more of experience in land surveying work of a character  
5 satisfactory to the board and indicating that the applicant is  
6 competent to practice land surveying, and successfully passing a  
7 written or oral examination, or both, in surveying as prescribed by the  
8 board.

9 Graduation from a school or college approved by the board as of  
10 satisfactory standing, including the completion of an approved course  
11 in surveying, shall be considered equivalent to four years of the  
12 required experience. Postgraduate college courses approved by the  
13 board shall be considered for up to one additional year of the required  
14 experience.

15 As a land-surveyor-in-training: An applicant for registration as  
16 a professional land surveyor shall take the prescribed examination in  
17 two stages. The first stage of the examination may be taken upon  
18 submission of his or her application for registration as a land-  
19 surveyor-in-training and payment of the application fee prescribed in  
20 RCW 18.43.050 at any time after the applicant has completed four years  
21 of the required land surveying experience, as defined in this section,  
22 or has achieved senior standing in a school or college approved by the  
23 board. The first stage of the examination shall test the applicant's  
24 knowledge of appropriate fundamentals of land surveying subjects,  
25 including mathematics and the basic sciences.

26 At any time after the completion of the required eight years of  
27 land surveying experience, as defined in this section, the applicant  
28 may take the second stage of the examination upon submission of an  
29 application for registration and payment of the application fee  
30 prescribed in RCW 18.43.050. This stage of the examination shall test  
31 the applicant's ability, upon the basis of greater experience, to apply  
32 knowledge and experience in the field of land surveying.

33 The first stage shall be successfully completed before the second  
34 stage may be attempted. Applicants who have been approved by the board  
35 to take the examination based on the requirement for six years of  
36 experience under this section before July 1, 1996, are eligible to sit  
37 for the examination.

1 No person shall be eligible for registration as a professional  
2 engineer, engineer-in-training, professional land surveyor, or land-  
3 surveyor-in-training, who is not of good character and reputation.

4 Teaching, of a character satisfactory to the board shall be  
5 considered as experience not in excess of two years for the appropriate  
6 profession.

7 The mere execution, as a contractor, of work designed by a  
8 professional engineer, or the supervision of the construction of such  
9 work as a foreman or superintendent shall not be deemed to be practice  
10 of engineering.

11 Any person having the necessary qualifications prescribed in this  
12 chapter to entitle him or her to registration shall be eligible for  
13 such registration although the person may not be practicing his or her  
14 profession at the time of making his or her application.

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