

CR 92-183

**CERTIFICATE**

**STATE OF WISCONSIN**

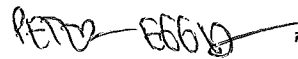
**DEPARTMENT OF REGULATION AND LICENSING**

**TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:**

**I, Peter Eggert, Director, Bureau of Business and Design Professions in the Wisconsin Department of Regulation and Licensing and custodian of the official records of the Examining Board of Architects, Professional Engineers, Designers and Land Surveyors, do hereby certify that the annexed rules were duly approved and adopted by the Examining Board of Architects, Professional Engineers, Designers and Land Surveyors on the 1st day of April, 1993.**

**I further certify that said copy has been compared by me with the original on file in this office and that the same is a true copy thereof, and of the whole of such original.**

**IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the official seal of the board at 1400 East Washington Avenue, Madison, Wisconsin this 1st day of April, 1993.**



**Peter Eggert, Director  
Bureau of Business and Design  
Professions  
Department of Regulation and  
Licensing**

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**2:45 PM**  
**Revisor of Statutes**  
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16-1-93

STATE OF WISCONSIN  
EXAMINING BOARD OF ARCHITECTS, PROFESSIONAL  
ENGINEERS, DESIGNERS AND LAND SURVEYORS

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IN THE MATTER OF RULE-MAKING	:	ORDER OF THE EXAMINING
PROCEEDINGS BEFORE THE	:	BOARD OF ARCHITECTS, PROFESSIONAL
EXAMINING BOARD OF ARCHITECTS,	:	ENGINEERS, DESIGNERS AND LAND
PROFESSIONAL ENGINEERS, DESIGNERS	:	SURVEYORS ADOPTING RULES
AND LAND SURVEYORS	:	(CLEARINGHOUSE RULE 92-138)

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ORDER

An order of the Examining Board of Architects, Professional Engineers, Designers and Land Surveyors to repeal and recreate A-E 4.08 (2) of the administrative code relating to requirements for entrance to examinations for professional engineers.

Analysis prepared by the Department of Regulation and Licensing.

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ANALYSIS

Statutes authorizing promulgation: ss. 15.08 (5) (b) and 227.11 (2), Stats.

Statutes interpreted: s. 443.09, Stats.

The present rule of the Examining Board of Architects, Professional Engineers, Designers and Land Surveyors allows examination candidates to take the examination on fundamentals of engineering or the examination on the principles and practice of engineering, after having 4 years of engineering work experience or a combination of academic credit and engineering work experience which totals 4 years.

The fundamentals of engineering examination is an open book examination directed toward basic engineering subjects, including, but not limited to: chemistry, dynamics, engineering economics, electrical circuits, fluid mechanics, materials science, mathematics, mechanics of materials, statics, structure of matter, and thermodynamics.

The principles and practice of engineering examination is used to test the candidate's problem solving knowledge and skill of engineering work. The proposed rule-making order changes the candidate's requirements for being able to sit for the principles and practice examination. It will change from the present requirements of 4 years of engineering work experience or a combination of academic credit and engineering work experience equaling 4 years, to requiring a B.S. degree from an accredited engineering program along with at least 4 years of qualifying engineering work experience under s. A-E 4.03 or at least 8 years of engineering work experience or have a combination of qualifying engineering work experience under s. A-E 4.03 and education under s. A-E 4.05 totalling 8 years.

The National Council of Examiners for Engineering and Surveying (NCEES) indicates that almost all states require experience prior to taking the principles and practice examination, and most states require 4 years of experience. Wisconsin registered engineers have had difficulties obtaining credentialing in other states that require that the candidates have

engineering experience prior to sitting for the principles and practice examination. This has resulted in Wisconsin registrants who have passed the principles and practice examination and are seeking registration in other states being compelled to retake the examination.

Also according to NCEES, the principles and practice engineering examination is designed to determine "...whether engineering training and experience have taught the examinee how to apply this knowledge to the solution of engineering problems using the minimum competency standards..."

The proposed rule-making order will change the Wisconsin registration of professional engineers process by redefining when an applicant for registration takes the principles and practice examination. The applicant would take the examination, after gaining engineering work experience. This would allow the examination to more reliably measure the candidate's ability to solve engineering practice problems; bring Wisconsin in line with national standards for taking the examination, consistent with Wisconsin's minimum competency standards; and remove a significant problem for Wisconsin registered engineers seeking credentialing in other states.

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TEXT OF RULE

SECTION 1. A-E 4.08 (2) is repealed and recreated to read:

A-E 4.08 (2) REQUIREMENTS FOR ENTRANCE TO EXAMINATIONS. (a) To be eligible to take the examination on fundamentals of engineering, the applicant shall:

1. Be of not less than senior standing in an accredited B.S. engineering program;

2. Have at least 4 years of engineering experience qualifying under s. A-E 4.03; or

3. Have a combination of engineering experience qualifying under s. A-E 4.03 and education qualifying under s. A-E 4.05 totalling at least 4 years.

(b) To be eligible to take the examination on the principles and practice of engineering, the applicant shall:

1. Have a B.S. degree from an accredited engineering program, and at least 4 years of engineering experience qualifying under s. A-E 4.03;

2. Have at least 8 years of engineering experience qualifying under s. A-E 4.03; or

3. Have a combination of engineering experience qualifying under s. A-E 4.03 and education qualifying under s. A-E 4.05 totalling at least 8 years.

Note: This version of A-E 4.08 (2) will go into effect on October 1, 1993.

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(END OF TEXT OF RULE)

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The rules adopted in this order shall take effect on October 1, 1993 pursuant to s. 227.22 (2) (intro.), Stats.

Dated 1 APRIL 1993

Agency Alan Kall  
Chairperson  
Examining Board of Architects,  
Professional Engineers, Designers  
and Land Surveyors

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**CORRESPONDENCE/MEMORANDUM**

**STATE OF WISCONSIN**

**DATE:** April 2, 1993

**TO:** Gary Poulson  
Assistant Revisor of Statutes

**FROM:** Pamela Haack, Administrative Assistant  
Department of Regulation and Licensing

**SUBJECT:** Final Rulemaking Order

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**Agency: EXAMINING BOARD OF ARCHITECTS, PROFESSIONAL ENGINEERS,  
DESIGNERS AND LAND SURVEYORS**

**Clearinghouse Rule: 92-138**

Attached is a copy and a certified copy of a final order adopting rules.  
Would you please publish these rules in the code.

Please stamp or sign a copy of this letter to acknowledge receipt.

Thank you.