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Sequence Number: 02-11-21
Notice ID(s): 3243
File Date: 2/8/2021

Notice of Rulemaking Hearing

Hearings will be conducted in the manner prescribed by the Uniform Administrative Procedures Act, T.C.A. § 4-5-204. For questions and copies of the notice, contact the person listed below.

Agency/Board/Commission:	Tennessee State Board of Architectural and Engineering Examiners
Division:	Department of Commerce and Insurance Regulatory Boards Division
Contact Person:	Maria P. Bush
Address:	500 James Robertson Parkway, Nashville, TN
Zip:	37243
Phone:	615-741-3072
Email:	maria.p.bush@tn.gov

Any Individuals with disabilities who wish to participate in these proceedings (to review these filings) and may require aid to facilitate such participation should contact the following at least 10 days prior to the hearing:

ADA Contact:	Don Coleman
Address:	500 James Robertson Parkway, Nashville, TN 37243
Phone:	615-741-6500
Email:	Don.Coleman@tn.gov

Hearing Location:

Address 1:	500 James Robertson Parkway		
Address 2:	Conference Room 1A		
City:	Nashville, TN		
Zip:	37243		
Hearing Date:	Thursday, April 8, 2021		
Hearing Time:	9:00 a.m.	<input checked="" type="checkbox"/> CST/CDT	<input type="checkbox"/> EST/EDT

Alternate Hearing Option (Only If the In-Person Hearing is Prohibited by Executive Order)

Method 1:	If physical congregating in groups of 10 or more persons is prohibited by Executive Order or social distancing phase-in guidance issued by Governor Lee, then the hearing will not be held at the location above but will, instead, be held electronically by WebEx at the same date and time provided above. In that event, you may join by going to this link: https://tngov.webex.com/tngov/j.php?MTID=m60632fc71636553e7b5447dbbcbc1691 Meeting number (access code): 185 868 4504 Meeting password: qwA9nAjXG73
Method 2:	Join by phone: 1-415-655-0003 Access code: 185 868 4504

Revision Type (check all that apply):

- Amendment
 New
 Repeal

Rule(s) (ALL chapters and rules contained in filing must be listed. If needed, copy and paste additional tables to accommodate more than one chapter. Please enter only **ONE** Rule Number/Rule Title per row.)

Chapter Number	Chapter Title
0120-01	Definitions
Rule Number	Rule Title
0120-01-.10	Education and Experience Requirements – Engineer

Rules of Tennessee Board of Architectural and Engineering Examiners
Chapter 0120-01
Definitions
Amendment

0120-01-.10 EDUCATION AND EXPERIENCE REQUIREMENTS – ENGINEER is amended by adding the following language so that, as amended, section (2) of the rule shall read:

(2) In general, “progressive experience in the practice of engineering” consists of engineering experience which is supervised by a registered professional engineer falling within the categories described in subparagraphs (a)-(d). Greater weight is given to the Practical Application and Theory component.

(a) Practical Application of Theory includes:

1. Analysis – operating conditions; performance assessment; feasibility studies; constructability; value engineering; safety; environmental issues; economic issues; risk assessment; reliability.
2. Design – construction plan or specification preparation; product specifications; component selection; maintenance and social implications of final product.
3. Testing – developing or specifying testing procedures; verifying functional specifications; implementing quality control and assurance; maintenance and replacement evaluation.
4. Implementation – of engineering principles in design, construction, or research; performance of engineering cost studies; process flow and time studies; implementation of quality control and assurance; safety issues; environmental issues.
5. Systems Application – evaluation of components of a larger system; evaluation of the reliability of system parts; design and evaluation of equipment control systems while considering ergonomics, utility, manufacturing tolerances, and operating and maintenance concerns; the engineering required to establish programs and procedures for the maintenance and management of buildings, bridges, and other types of structures where failure or improper operation would endanger the public health and safety.
6. Time in the Engineering Process – difficulties of workflow; scheduling; equipment life; corrosion rates and replacement scheduling.
7. Knowledge and Understanding – codes, standards, regulations, and laws that govern applicable engineering activities.

(b) Management of Engineering includes:

1. Planning – developing concepts; evaluating alternative methods.
 2. Scheduling – preparing task breakdowns and schedules.
 3. Budgeting and Contracting – cost estimating and control; contract development.
 4. Supervising – organizing human resources; motivating teams; directing and coordinating project resources.
 5. Project Control – complete or partial project control.
 6. Risk Assessment – assessment of risk associated with the progression of the project.
- (c) Communication Skills includes:
1. Accumulation of project knowledge through interpersonal communication with supervisors, clients, subordinates, or team interaction.
 2. Transmission of project knowledge in verbal or written methods to clients, supervisors, subordinates, the general public, or team members. Examples include but are not limited to meetings, written reports, public hearings and reporting or findings and suggestions, other written correspondence and/or verbal briefings.
- (d) Social Implications of Engineering includes:
1. Promoting and safeguarding the health, safety, and welfare of the public as demonstrated in daily work activities.
 2. Demonstrating an awareness of the consequences the work performed may incur and a desire to mitigate or eliminate any potential negative impact.
 3. Following a code of ethics that promotes a high degree of integrity in the practice of professional engineering.
- (e) The Board may grant toward experience requirements for registration as an engineer one (1) year of credit for completing one (1) of the following:
1. Graduation with a Master's degree (or higher) in engineering from an approved curriculum;
 2. Up to one (1) year of qualified experience obtained in an established cooperative education program, which is carried out within the framework of an approved engineering curriculum, and which has been approved by the Board; or
 3. Three (3) years or more qualified experience obtained prior to graduation under the direct supervision of a licensed engineer.
- (f) No partial credit will be awarded for experience which does not fully meet the criteria listed in 0120-01-.10(2)(e) 1-3. Applicants are limited to gaining one (1) year of credit from the options listed in 0120-01-.10(2)(e) 1-3 towards progressive experience in the practice of engineering. At least one (1) year of engineering experience must be completed in the United States. Unless otherwise noted above, an applicant's engineering experience must be obtained after graduation with the qualifying degree and completed by the date of the examination.

Authority: T.C.A. § 62-2-203(d).

I certify that the information included in this filing is an accurate and complete representation of the intent and scope of rulemaking proposed by the agency.

Date: February 8, 2021

Signature: *Maria P. Bush*

Name of Officer: Maria P. Bush

Title of Officer: Associate Counsel

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Filed with the Department of State on: 2/8/2021

Tre Hargett

Tre Hargett
Secretary of State

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Revision Type (check all that apply):
SS-7037 (March 2020)

- Amendment
 New
 Repeal

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