THE TENNESSEE BOARD OF ARCHITECTURAL AND ENGINEERING EXAMINERS | Control |

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Unless otherwise indicated, all meetings are held in Nashville, Tennessee, in the 3rd floor conference room of the Andrew Johnson Tower, 710 James Robertson Parkway. Please contact the Board office at 615-741-3221 or 800-256-5758 to verify times and locations, as the meeting schedule is subject to change. Meeting agendas and minutes are available on the Board's website

(www.tn.gov/commerce/boards/ae).

Landscape Architecture and Public Welfare Study

The Council of Landscape Architectural Registration Boards (CLARB) recently published a research paper on how landscape architects positively affect public welfare. The following is an executive summary of the paper.

Background

In the interest of public health, safety and welfare, the practice of landscape architecture is licensed in 50 U.S. states and three Canadian provinces, requiring the demonstration of competence through a combination of education, experience and rigorous examination.

Despite licensure's emphasis on health and safety, experience suggests that the role landscape architecture plays in advancing "public welfare" is poorly understood—to the detriment of society and the profession. The results of this study provide a practical, new framework for understanding public welfare and how the profession uniquely contributes to its advancement.

These findings have reignited an important conversation on a poorly defined, understood, and appreciated area of the practice of landscape architecture that represents a substantial portion of its body of knowledge and application and differentiates it from other related disciplines.

Research Objective and Methods

The primary objective of the research was to develop a holistic, working definition of public welfare and to make explicit the major ways it is impacted by the practice of landscape architecture.

The core research method was a review and analysis of relevant literature and exemplary case studies, supplemented by consultations with an advisory group comprised of professionals, academicians, and industry association leaders.

The findings were synthesized and presented in a foundation paper intended for use by a diverse audience that includes legislators, political decision-makers, practitioners, students, academics, allied professionals, and interested members of the general public

Key Findings

The concept of public welfare blends two fundamental ideas: the public realm and welfare or well-being.

"Welfare" has maintained its current sense of "well-being" since Chaucer's time. The idea of a public realm emerged as a third order of society, separate from church and state, as these institutions gradually ceded their once absolute authority. The concept gathered force during the 16th century and continues to evolve today.

Public welfare rests on the well-being of the natural world.

Public welfare in the context of landscape architecture means the stewardship of natural environments and of human communities in order to enhance social, economic, psychological, cultural and physical functioning, now and in the future.

Landscape architecture impacts public welfare in seven distinct, observable ways.

- 1. Enhances environmental sustainability by responding to development challenges with solutions that involve sensitivity towards natural systems. At the site design level landscape architects integrate sustainability measures into all designs. Their work protects natural systems ensuring that all community members have access to common resources and are involved in active conservation.
- **2. Contributes to economic sustainability** by assisting policy makers and others to improve the marketability and long-term value of

Upcoming Changes to the

The Council of Landscape Architectural Registration Boards (CLARB) has announced changes to the exam that will take affect with the September 2012 administration of the Landscape Architect Registration Examination (L.A.R.E.).

Changes to the exam will include:

1. Five to four sections. - This modest structural change will better align the content of the L.A.R.E. with current practice, as demonstrated in the 2010 Task Analysis study. For additional detail on equivalency between the current and new exam, view the transition chart.

Section 1 – Project and Construction Management

Section 2 - Inventory and Analysis

Section 3 – Design

Section 4 - Grading, Drainage and
Construction Documentation

2. Full computer based testing - By December 2012 all four sections will be delivered by computer to improve relevance, reliability, and accessibility.

Meanwhile candidates are encouraged to continue taking the current exam, especially those that have already started the exam process. Because the content that is currently tested in Section D will be split between Sections 3 and 4 in the new exam, candidates already in the exam process should complete the current exam to avoid losing credit for Sections C, D or E.

New candidates are also encouraged to begin the exam process as soon as possible to obtain licensure. Obtaining licensure is an important career goal that makes you a more marketable professional—particularly in challenging economic times. There is ample time to complete the current exam and become licensed prior to the transition to the new exam in September 2012.

Additionally, completing the current exam has financial benefits for current and new candidates as well. The cost per section of the new exam will go up because the costs must be spread across four sections instead of five.

CLARB has developed a set of Frequently Asked Questions to help candidates better understand the changes and how to navigate the transition process. For additional information please contact CLARB at 571-432-0332 or visit their website at www.clarb.org.

On a related note, CLARB has selected Pearson VUE to be the official provider of the L.A.R.E. starting with the March 2012 multiple-choice administration. CLARB chose Pearson VUE based on the testing provider's ability to provide a top level testing experience for exam candidates and because of the testing provider's ability to administer advanced item types that will be used in the new exam format for Sections 3 and 4. Pearson VUE will not begin administering Sections 3 and 4 until the December 2012 administration.

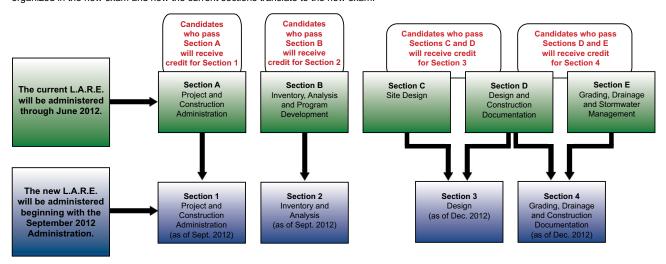


L.A.R.E. Transition Chart

CLARB 3949 Pender Drive Suite 120 Fairfax, VA 22030 Phone 571-432-0332 Fax 571-432-0442 www.clarb.org

Following best professional testing practices, CLARB conducts an analysis of the practice of landscape architecture every five to seven years to ensure that what is tested on the Landscape Architect Registration Exam (L.A.R.E.) accurately reflects the knowledge and skills required to practice landscape architecture. As a result of the 2010 task analysis study, the following changes to the L.A.R.E. will take affect starting with the September 2012 administration.

Structural Changes: Modest structural changes will take place to better align the content of the L.A.R.E. with current practice. The new exam will consist of four rather than five sections and will be administered starting in September 2012. The chart below summarizes how the content will be organized in the new exam and how the current sections translate to the new exam.



Administration Changes: CLARB explored the best possible way to assess the L.A.R.E. content. Responding to changes in marketplace dynamics, advances in testing technologies, and a desire to offer the most relevant and defensible exam possible, CLARB will move to a fully computerized model for the delivery of the exam content to improve relevance and reliability.

Report on National Council Activities

By John Cothron, Executive Director

The Tennessee Board of Architectural and Engineering Examiners continues to participate in meetings of the following national regulatory councils: the National Council of Architectural Registration Boards (NCARB), the National Council of Examiners for Engineering and Surveying (NCEES), the Council of Landscape Architectural Registration Boards (CLARB), and the National Council for Interior Design Qualification (NCIDQ). The national councils assist member boards by developing uniform national examinations and model laws and regulations, among other responsibilities.

The following issues were discussed at the NCARB Annual Meeting and Conference in Washington, D.C. on June 22-25, 2011:

- **Continuing Education:** A resolution amending the continuing education guidelines in the NCARB *Model Law* and *Model Regulations* passed. The major changes include:
 - o The provision for "Individually Planned Activities" was removed because these activities are difficult to evaluate; only "structured" activities are allowed.
 - o The definition of health, safety and welfare (HSW) was revised (the *Model Regulations* require that <u>all</u> hours address HSW subjects).
 - o The term "Professional Development Unit" (PDU) was changed to "Continuing Education Hour" (CEH). It was felt that the term "professional development" is overly broad and could refer to non-HSW topics.
 - o If hours are disallowed in an audit, registrants are given <u>60</u> <u>days</u> to remedy the deficiency (instead of 6 months).
 - o 12 HSW hours must be earned each <u>calendar</u> year (thus the continuing education cycle may be different from the license renewal cycle for some boards).
 - o No carryover hours are allowed.
 - o The continuing education reciprocity provision was deleted, since the emphasis is on common standards rather than mutual acceptance.

The Tennessee Board is also discussing amending its continuing education rules for architects to more closely conform to the NCARB guidelines. Registrants will have an opportunity to comment on any proposed changes at a future rulemaking hearing, should the Board decide to make any changes.

• Other Issues: Other issues discussed at the meeting included changes to the Architect Registration Examination (ARE), the Intern Development Program (IDP), and the Broadly Experienced Architect (BEA) and Broadly Experienced Foreign Architect (BEFA) programs. Additionally, the new NCARB CEO, Michael J. Armstrong, was introduced. Armstrong has over two decades of experience in executive roles in non-profit, government, and for-profit organizations. He most recently served as the Senior Vice President for Membership and Outreach Services at the International Code Council (ICC). Armstrong replaces Lenore M. Lucey, who served as NCARB's chief executive for over 14 years.

The following issues were discussed at the NCEES Annual Meeting in Providence, Rhode Island on August 24-27, 2011:

- **Computer-Based Testing:** A motion passed to approve a new pricing model for NCEES exams that will go into effect when the Fundamentals of Engineering (FE) and Fundamentals of Surveying (FS) exams shift to computer-based testing in January 2014. At this point, it is uncertain how this will affect fees paid by FE exam candidates in Tennessee.
- Industrial Exemptions: A motion passed to charge the Uniform Procedures and Legislative Guidelines (UPLG) Committee with amending the *Model Law* to state that "Licensed engineers shall be in responsible charge of all engineering design of buildings, structures, products, machines, processes, and systems that can affect the health, safety, and welfare of the public." This change is aimed at eliminating industrial exemptions, which exempt firms that manufacture products from requiring a P.E. to oversee their design.
- Sustainable Building Design: A motion passed adopting a new position statement regarding the commissioning of engineered systems: "It is the position of NCEES that commissioning of those systems that are engineered systems falls under the practice of engineering and must be performed under the responsible charge of a professional engineer." Also, the UPLG Committee was charged with incorporating the phrase "commissioning of engineered systems" into the definition of the practice of engineering in the Model Law.

• Engineering Education:

- o Member boards voted against adopting an alternate pathway toward fulfilling the "master's degree or equivalent" education requirement in the *Model Law*. This alternate pathway would have allowed candidates seeking a P.E. license to fulfill the education requirement via a combination of approved continuing education coursework, additional experience, and mentoring.
- o The *Model Law* was amended by adding the following as an alternative path to licensure after 2020 (as an alternative to the master's or equivalent requirement):

A B.S. degree from an EAC/ABET-accredited program that requires a minimum of 150 semester credit hours (must have at least 115 credit hours of math, science, and engineering, with at least 75 of the 115 hours in engineering) with 4 years or more of progressive engineering experience.

The Tennessee Board has voted to oppose this change in the *Model Law*, and is opposed to the "master's or equivalent" requirement.

o A motion passed to charge a special committee with amending the *Bylaws* to create a standing Committee on Education to work with ABET, implement the "master's or equivalent" requirement, serve as a point of contact on continuing education issues, and oversee credentials evaluations.

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National Council Activities...cont.

- Examination Policies and Procedures: Motions passed to prohibit those involved in exam development from teaching exam refresher courses within three years of serving on an exam committee or panel and to prohibit those who teach exam refresher courses from proctoring exams. A motion also passed developing two categories of exam irregularities. The first are irregularities that will automatically be grounds for exam invalidation by NCEES (e.g., removing pages from an exam book, cell phone violations, and use of non-approved calculators), and the second are those for which any response is left up to the member boards (including copying/collusion cases, failure to stop writing when time is called, beginning an exam before being instructed to do so, and writing outside the exam booklet).
- Task Forces: NCEES President Dale Jans, P.E., announced the creation of five task forces for the coming year in addition to the standing committees: Education (which will, in part, study the need to harmonize continuing education requirements among jurisdictions), Member Board Administrators, Computer-Based Testing (which will begin considering what is needed to convert the Principles and Practice of Engineering exams to a computer-based format), Leadership, and Public Outreach/Communications.

The following issues were discussed at the CLARB Annual Meeting in Chicago, Illinois on September 15-17, 2011:

- Determinants of L.A.R.E. Success Research Results: The preliminary results of a research project focused on determining key factors (education, experience, study habits, etc.) that affect a candidate's success on the L.A.R.E. were presented. The results indicate that some sections of the exam might be appropriate for candidates who are still in school, since experience was not a factor in passing these sections. The majority of jurisdictions supported administering selected exams to students, although further study is needed before this could be implemented. A final report will be issued in the coming months.
- L.A.R.E. Transition: Details of the transition of the L.A.R.E. to a computer-based exam administered in four sections were presented. The last administration of the paper-and-pencil graphic exams will be in June 2012 (see the related article in this newsletter).
- Universal Designation for Licensure: A proposal by the American Society of Landscape Architects (ASLA) to adopt "P.L.A." (Professional Landscape Architect) as the universal designation for a licensed landscape architect was discussed. The general consensus was that the P.L.A. designation, while not conflicting with most state's laws and rules, would create confusion, and many delegates felt that CLARB should take the lead on this issue.
- Public Welfare Awareness: Attendees received information on how to increase public awareness and understanding of how landscape architects positively affect public welfare using the recently published "Landscape Architecture and Public Welfare" study (see the related article in this newsletter).
- **Continuing Education:** The need to harmonize continuing education requirements among jurisdictions was discussed, and an update was provided on the Landscape Architecture

Continuing Education System (LA CES), which approves continuing education providers for landscape architects.

The following issues were discussed at the NCIDQ Annual Council of Delegates Meeting in Alexandria, Virginia on November 11-12, 2011:

- Beginning the Exam after Graduation: The NCIDQ Board of Directors, acting upon a recommendation by the Interior Design Experience Program/Student Benefits Task Force, decided to open up Section 1 (Codes, Building Systems and Construction Standards) of the NCIDQ exam to recent college graduates. The remaining two sections (Section 2—Design Application, Project Coordination and Professional Practice; Section 3—Interior Design Practicum) will only be offered to candidates who have completed the experience requirements. The change will become effective with the spring 2013 exam administration (see the related article in this newsletter for more information).
- **IDCEC Update:** Delegates received an update on efforts by the Interior Design Continuing Education Council (IDCEC) to develop a new continuing education tracking system. Implementation of the new system is planned for March 2012.
- **Logo Use Program:** NCIDQ is conducting research regarding a program that would allow active certificate holders to use a trademarked NCIDQ certificate holder logo.
- Broadly Experienced Interior Designer Program: The new Broadly Experienced Interior Designer Program is currently being pilot tested. This new route for eligibility will allow applicants who have followed a non-traditional path into the profession to apply for consideration as a candidate for the NCIDQ certificate. Such individuals would not be eligible for registration in Tennessee without completing an interior design degree. Board member Leslie Shankman-Cohn served on the Broadly Experienced Interior Designer Task Force.
- **Defining HSW:** A task force recently developed definitions of health, safety, and welfare as they relate to the practice of interior design. NCIDQ will develop a research study on how interior designers positively affect public welfare, similar to the study recently published by CLARB.
- Change to Exam Eligibility Requirements: The NCIDQ Board of Directors has decided to eliminate eligibility Route 5, which requires an associate's degree with 40 semester hours of interior design coursework and 7,040 hours (4 years) of interior design experience. This route will be phased out effective December 31, 2018. After December 31, 2018, NCIDQ will no longer accept applicants for the NCIDQ examination whose formal interior design education consists of a degree with fewer than 60 semester or 90 quarter-credit hours of interior-design-related coursework. The seven-year sunset plan was developed to provide a year of notification time, plus additional time for a person to enroll in a two-year program, complete it and work for four years to meet the education requirement by the end of 2018.
- Interior Design Identity Task Force: The Interior Design Identity Task Force is developing a report detailing where overlap exists in interior design and architecture and defining the line where the overlaps stop. The task force is also studying how experience requirements vary between these professions.

New Vendors Selected for the A.R.E.

The National Council of Architectural Registration Boards (NCARB) has signed long-term contracts with Alpine Testing Solutions, Inc. and Prometric, Inc. for the Architect Registration Examination® (ARE®). These two vendors were selected for their unique strengths that will allow NCARB to continue to provide the profession with the highest quality licensing exam, enhance the candidate experience, and position the ARE for a more agile future.

Alpine Testing Services, Inc. was selected to manage both the content management and

candidate management services. This comprehensive effort includes support for the exam committees, creation and maintenance of all multiple-choice and graphic content, management of all candidate records and testing eligibilities, score reporting, and statistical analysis. Prometric, Inc. was selected to continue as a long-term partner with NCARB as the site management consultant focused on delivering the ARE to candidates in their extensive test center network.

Partnering with these two vendors will enable NCARB to build, maintain, and

continuously improve testing programs. Among the benefits that this change will bring to ARE candidates is an enhanced experience in terms of communication and scheduling. Continuing to provide a high quality test environment for candidates, with unparalleled access to test centers across the Unites States, was a critical component in the vendor selection process.

More information on future enhancements to the ARE program will be released throughout the migration process, which is anticipated to be complete in 2013.

FINAL PHASE OF IDP 2.0 TO BE IMPLEMENTED IN APRIL 2012

The National Council of Architectural Registration Boards (NCARB) will implement the final phase of Intern Development Program (IDP) 2.0 on April 3-5, 2012. This phase will include new experience categories and areas, simplified experience settings, and an enhanced electronic system to report IDP experience.

To facilitate these changes, a new, updated, and more user-friendly electronic reporting system will be available through My NCARB on the Council's website on April 5. On April 3, 2012, the current reporting system will be shut down and will be inaccessible as the data is converted to IDP 2.0. Interns must submit any hours under the current requirements to their supervisor before April 3. All experience submitted to their supervisor or approved by their supervisor prior to the implementation of the final phase will be rolled over. All reports submitted after the new system becomes available on April 5 will count toward IDP 2.0 requirements.

IDP 2.0 is the most significant update to the Intern Development Program (IDP) since its inception in the 1970s. The Practice Analysis of Architecture was used as the foundation to update the program requirements to more closely align with the current practice of architecture and to identify the comprehensive training that is essential for competent practice.

Experience Categories, Areas, and Settings

IDP 2.0 will have four experience categories and 17 experience areas that will replace the current training requirement. The new categories and areas are aligned to the phases of project development in architecture practice today. Both will have minimum experience hours that must be earned.

The overall hours required to complete the IDP will remain 5,600 hours. Of those hours, 3,740 must be earned through core hours in the categories and areas, and 1,860 may be earned through elective hours.

Also, the current seven work settings that interns must be employed in to earn hours will be simplified into three experience settings. Interns must earn 1,860 hours of experience under the direct supervision of an IDP supervisor licensed as an architect in a U.S. or Canadian jurisdiction in an organization engaged in the lawful practice of architecture. The two other experience settings allow interns to work under the direct supervision of other professionals as well as earn core and elective hours whether or not employed. There will also be the opportunity for interns to earn hours through academic internships.

IDP Supervisors

Another major change in IDP 2.0 is the modification of the location-of-licensure requirement for IDP supervisors. The current program requires that IDP supervisors in certain work settings be licensed in the jurisdiction where they are located. In IDP 2.0, the definition of experience setting A and opportunities within O require that the IDP supervisor be licensed in a U.S. or Canadian jurisdiction, not necessarily where he or she is located.

Rollover to IDP 2.0

In order to assist interns with the rollover to the new program, NCARB has launched a new section of its website devoted to IDP 2.0. It includes a history of the program, a timeline for the implementation, a breakdown of the new categories and areas, definitions of the new experience settings, and other resources. More tools and resources, including assistance with the rollover rules from the old to the new program, will become available over the next several months. New IDP 2.0 Guidelines and IDP 2.0 Supervisor Guidelines with the official rules and requirements are anticipated to be released in early 2012.

For more information on IDP 2.0, including information on previous phases of IDP 2.0, visit www.ncarb.org/IDP2.

NCIDQ OPENS CONTINUING EDUCATION REGISTRY TO ALL USERS



The National Council for Interior Design Qualification, Inc. (NCIDQ) has opened its popular online continuing education (CE) registry to all

users. Previously, the registry was an exclusive, free benefit for active NCIDO Certificate holders, who could use the self-reporting system to record and track their CE activity.

"When we launched the online CE system earlier this year, we heard overwhelmingly positive feedback from our Certificate holders who loved the instant access to their data at no additional fee," explains NCIDQ Executive Director Jeff Kenney. "Almost immediately, we heard from other interior design professionals who wanted a reliable and efficient method for CE tracking, so we decided to open the registry to others as a subscription-based product."

Active NCIDQ Certificate holders will continue to enjoy free access to the registry, while all others pay a \$60 fee for 12 months of access. At the end of the subscription period, users can choose to renew their subscription. The online system provides users the flexibility to enter their courses upon completion and view and print their updated registry instantly. Users enter the course name, date, presenter and amount of credit. They will also provide information on the course content and identify the domain, such as health & safety, welfare, general knowledge, etc.

The online registry replaces the 15-year old paper-based continuing education registry, which required participants to mail in forms and pay \$12 to add each class they take into their registry. The paper-based system has been closed down, but individuals' transcripts are available until June 30, 2012 through NCIDQ's online store, QShop.

Access to the online system is through NCIDQ's secure MyNCIDQ portal. Anyone who has ever applied for the Interior Design Experience Program (IDEP) or the NCIDQ Examination (whether completed or not), taken any part(s) of the NCIDQ Examination (regardless of when) or received the NCIDQ Certificate already has an account established. Individuals who have not previously applied for or taken the NCIDO Examination will need to create an account.

The instructions for purchasing access are within the individual's MyNCIDQ account. If you need help accessing your existing account name or password, please contact the NCIDQ Customer Service Team at (202) 721-0220 from 9 a.m. to 5 p.m. ET Monday through Friday. Step-by-step instructions on creating an account or logging CE activity are found on the NCIDO web site at www.ncidq.org.

Landscape Architecture...*cont.*

residential and commercial housing/property. Economic benefits include reduction of crime, smart development and growth, improved air and water quality, efficient energy use, enhanced quality of life and health, and access to culture and recreation.

- 3. Promotes public health and well-being by making connections between human health and well-being and the conditions of the outdoor environment. Landscape architecture projects directly affect the mental and physical health of individuals and communities and provide immediate and lasting therapeutic benefits.
- 4. Builds community by creating attractive, functional places. Landscape architects encourage people to engage in their surroundings, strengthening social cohesion, which results in healthier, more dynamic, more resilient communities at the local, national and global levels.
- 5. Encourages landscape awareness and stewardship by stimulating our awareness of the landscape, and increasing our understanding of the role that humans play in it. Landscape architects encourage citizens to appreciate the landscape and to participate in the processes that shape it. Cultivating a symbiotic and iterative relationship between people and their environment, the practice encourages protection, stewardship and understanding of the landscape.
- 6. Offers aesthetic and creative experiences that artists offer: the opportunity to experience enjoyment, contentment, stimulation or

pleasure by participating in the aesthetic experience of landscape. An important part of this dimension is the preservation and protection of significant historic properties, buildings, structures, districts, cultural landscapes, artistic objects and archaeological elements.

7. Enables communities to function more effectively by enabling people to function more effectively in their environments. Landscape architects facilitate many critical human activities and functions such as efficient traffic flow, parking, waste collection/recycling, water use/drainage, air quality, optimal use of space.

Significance of the Research to the Profession and Public

Initial implications to the profession of landscape architecture may include:

- A concise, logical, supportable set of themes, messages, and appeals for the profession to better communicate its value to diverse audiences.
- Contribute to enhanced, more relevant scope of practice at the jurisdictional level and clearer expression of "welfare" concepts in critical standards, such as the "Landscape Architect Registration Examination" (L.A.R.E.).
- Deepen an important source of inquiry for institutions and creates an opportunity to further connect planning and design concepts to practice in a way that enriches the profession and serves society through better quality of life.

Opportunities for Further Inquiry

The study identified three key opportunities for further exploration:

- Further develop sound, practical methods of measuring the impacts of landscape architecture on public welfare and to integrate them into practice.
- Identify, develop, and systematically collect additional case studies that illustrate the important impacts of public welfare and deepen understanding of the profession's impact on it.
- · Conduct interdisciplinary research involving communications and the social sciences with a goal being to develop more effective methods for communicating qualitative, less-tangible impacts associated with the practice of landscape architecture.

According to CLARB Executive Director Joel Albizo, "CLARB sponsored this groundbreaking research to help the organization and its member licensure boards better understand the relationship between the licensed practice of landscape architecture and public welfare and to ensure that it was properly recognized in the licensure examination." He added that the findings have generated "substantial interest" inside and outside the profession and that the organization is working to share these new insights more broadly. Copies of the full report may be obtained from CLARB at www.clarb.org.

NCIDQ ADJUSTS EXAM PROCESS TO ALLOW EARLY TESTING FOR RECENT GRADUATES

The National Council for Interior Design Qualification, Inc. (NCIDQ) recently announced a change to its examination process that would allow a person who meets the education requirement to begin taking the NCIDQ Exam before completing all the work experience.

Beginning in November 2012, NCIDQ will accept applications for Section 1 of the exam from applicants who have completed the required minimum education but not the required work experience. The change will become effective with the spring 2013 exam administration.

This change paves the way for interior design graduates to take Section 1 at any time while they are working toward meeting their experience requirement for taking the remaining two sections of the exam. Anyone in the exam process at the time of this change will not lose any credit for previously passed sections as a result of this modification, and no additional testing will be required.

"After a year of study, the Board of Directors implemented this change as a way of engaging recent graduates," explains Executive Director

Jeffrey F. Kenney. "We know that many graduates are eager to earn their NCIDQ Certificate, and passing Section 1 of the NCIDQ Examination will be an important first step. Once they successfully complete that section, they can continue documenting their experience until they meet our experience requirement for taking Sections 2 and 3 and earning their Certificate."

All the application requirements and processes remain the same. Beginning in the fall of 2012, a person wishing to be approved to take only Section 1 will be required to apply to NCIDQ, furnishing transcripts and supporting documentation and paying the application review fees, just as applicants do now. NCIDQ will review the application and make the applicant eligible for only Section 1. Once the applicant has completed the required amount of experience, he or she will apply for the remaining two sections, submitting the required supporting documentation for review and approval. NCIDQ will require that the applicant have passed Section 1 not more than five years earlier, similar to the requirement in place now.

A person who has already completed both the

education and experience requirements will follow the same process that is in place now. Passing Section 1 is not a prerequisite to taking Sections 2 and 3, although a person must pass all three exams to earn the NCIDQ Certificate, just as is required now.

"Very little is really changing with respect to this modification," says Kenney. "We have not changed our requirements or altered our application process. There are still three sections of the exam, and a person must meet all the same entry requirements, supply the same documentation and pass all three sections in order to hold the NCIDQ credential. The difference is that some people may choose to do them in a different order. Recent graduates will apply and take Section 1, gain experience, apply and take Sections 2 and 3 and earn a Certificate. Practicing professionals will gain experience, apply and take all three sections and earn a Certificate.

NCIDQ will be updating its printed and online materials in the next several months to reflect this change. The earliest someone could apply for only Section 1 would be the fall of 2012 for the exams beginning in 2013.

-ANNOUNCEMENTS-

Robert G. Campbell, Jr., PE (Knoxville, Tennessee) was recently reappointed to serve as an engineer member of the Board representing East Tennessee. Mr. Campbell will serve until June 30, 2015.

Wilson Borden (Maryville, Tennessee) was recently appointed to serve as a public member of the Board, replacing Brenda Wood. Mr. Borden will serve until June 30, 2015.

Sundra F. Dunlap has been hired as a new Administrative Assistant in the Board office. Her duties include processing registration renewals and continuing education audits. You may contact Sundra at sundra.dunlap@tn.gov, or by phone at 615-532-8336.

Candy Toler, Executive Director of the Tennessee Society of Professional Engineers (TSPE) and the American Council of Engineering Companies of Tennessee (ACEC-TN), was recently named Association Executive of the Year by the Tennessee Society of Association Executives. This is the highest honor awarded by this statewide organization whose membership includes 300 leaders of Tennessee professional, trade and nonprofit associations. Ms. Toler has served as Executive Director of ACEC-TN and TSPE since 1999, and served as Executive Director of the Board of Architectural and Engineering Examiners from 1995 to 1999.

DID YOU KNOW?

• The National Council of Architectural Registration Boards (NCARB) made the 2011 InformationWeek 500, an annual listing of the nation's most successful innovators of business technology. The InformationWeek 500 ranking is unique among corporate measures as it spotlights the power of innovation in information technology, rather than simply identifying the biggest IT spenders. Additional details on the InformationWeek 500 can be found online at

www.informationweek.com/iw500/.

• February 19-25, 2012, has been designated National Engineers Week. The 2012 theme is "7 billion people, 7 billion dreams," and will focus on how engineers make a difference in every individual's life. Engineers Week was founded in

1951, and is one of the oldest professional engineering outreach efforts in the United States. The National Council of Examiners for Engineering and Surveying (NCEES) will serve as the lead society sponsor of EWeek in 2013. Visit www.eweek.org for more information.

 NCARB will soon launch its 2012 Practice Analysis of Architecture. The results of the Practice Analysis will guide the future development of the Architect Registration Exam, the Intern Development Program, and NCARB's contribution to the 2013 National Architectural Accrediting Board (NAAB) Accreditation Review Conference. The results will also be used to inform the Council's continuing education policies and programs. Surveys will be distributed to interns, architects, and educators across the country in April 2012, and registrants are encouraged to participate.

Formal Disciplinary Actions Taken by the Board

Andre Christopher Ballard, R.A. #103626 Oxford, Ohio

VIOLATION: Failed to pay the professional privilege tax for two (2) years or more. Tenn. Code Ann. §§ 62-2-308(a)(1)(B) and 67-4-1704.

PENALTY: Indefinite suspension until such time as respondent provides proof of payment in full.

CONSENT ORDER: September 22, 2011

Thomas Anthony Bellace, P.E. #102749 Houston, Texas

VIOLATION: Voluntarily surrendered registration in another jurisdiction. Tenn. Code Ann. § 62-2-308(a)(1)(F) and Rule 0120-02-.07(5)(b).

PENALTY: One-year suspension, followed by six-month probation; must take and pass the Board's law and rules exam.

CONSENT ORDER: August 22, 2011

Mark Steven Frost, P.E. #112477 McCordsville, Indiana

VIOLATION: Failure to furnish continuing education records for audit verification purposes within thirty (30) days of the Board's request. Tenn. Code Ann. § 62-2-308(a)(1)(E), and rules 0120-05-.10 and 0120-02-.02.

PENALTY: Allowed ninety (90) days to complete audit; automatic audit of next renewal; \$1,000 civil penalty; take and pass the Board's law and rules exam.

CONSENT ORDER: November 22, 2011

Brian A. Goodwin, P.E. #112298 Madison, Alabama

VIOLATION: Failed to pay the professional privilege tax for two (2) years or more. Tenn. Code Ann. §§ 62-2-308(a)(1)(B) and 67-4-1704.

PENALTY: Indefinite suspension until such time as respondent provides proof of payment in full.

CONSENT ORDER: October 11, 2011

Forrest N. Hibbard, P.E. #23060 Atlanta, Georgia

VIOLATION: Failed to pay the

professional privilege tax for two (2) years or more. Tenn. Code Ann. §§ 62-2-308(a)(1)(B) and 67-4-1704.

PENALTY: \$500 civil penalty; pay all investigatory and hearing costs (respondent had paid all privilege taxes due).

FINAL ORDER: August 24, 2011

James Stanley Johnson, P.E. #105038 Simpsonville, South Carolina

VIOLATION: Failed to pay the professional privilege tax for two (2) years or more. Tenn. Code Ann. §§ 62-2-308(a)(1)(B) and 67-4-1704.

PENALTY: \$500 civil penalty; pay all investigatory and hearing costs; must take and pass the Board's law and rules exam (respondent had paid all privilege taxes due).

FINAL ORDER: August 8, 2011

Walter Steven Keith, R.A. #11686 Nashville, Tennessee

VIOLATION: Failure to submit satisfactory evidence to the Board of having obtained twenty-four (24) Professional Development Hours within the two-year period immediately preceding application for registration renewal. Tenn. Code Ann. § 62-2-308(a)(1)(E), and rules 0120-02-.02(4), 0120-05-.04(2), and 0120-05-.10.

PENALTY: \$500 civil penalty; must take and pass the Board's law and rules exam.

CONSENT ORDER: July 15, 2011

Jerry W. McGinnis, R.A. #103072 Shelby, North Carolina

VIOLATION: Failed to pay the professional privilege tax for three (3) years or more. Tenn. Code Ann. §§ 62-2-308(a)(1)(B) and 67-4-1704.

PENALTY: Revocation of certificate of registration; \$500 civil penalty; pay all investigatory and hearing costs.

FINAL ORDER: August 24, 2011

Gerard Clement Murphy, P.E. #102339 Crosby, Texas

VIOLATION: Failed to pay the professional privilege tax for three (3) years or more. Tenn. Code Ann. §§ 62-2-308(a)(1)(B) and 67-4-1704.

PENALTY: Revocation of certificate of registration; \$500 civil penalty; pay all investigatory and hearing costs.

FINAL ORDER: August 24, 2011

Robert F. Nelson, Jr., P.E. #15302 Richmond, Virginia

VIOLATION: Failed to pay the professional privilege tax for two (2) years or more. Tenn. Code Ann. §§ 62-2-308(a)(1)(B) and 67-4-1704.

PENALTY: \$500 civil penalty; pay all investigatory and hearing costs; must take and pass the Board's law and rules exam (respondent had paid all privilege taxes due).

FINAL ORDER: August 8, 2011

Christopher Wayne Qualls, P.E. #109306 Huntsville, Alabama

VIOLATION: Failed to pay the professional privilege tax for two (2) years or more. Tenn. Code Ann. §§ 62-2-308(a)(1)(B) and 67-4-1704.

PENALTY: Indefinite suspension until such time as respondent provides proof of payment in full.

CONSENT ORDER: October 10, 2011

Larry D. Reed, R.A. #21149 Lookout Mountain, Georgia

VIOLATION: Failed to pay the professional privilege tax for two (2) years or more. Tenn. Code Ann. §§ 62-2-308(a)(1)(B) and 67-4-1704.

PENALTY: \$500 civil penalty; pay all investigatory and hearing costs (respondent had paid all privilege taxes due).

FINAL ORDER: August 24, 2011

Mary Ginger Scoggins, P.E. #105648 Cary, North Carolina

VIOLATION: Suspension of registration in another jurisdiction. Tenn. Code Ann. § 62-2-308(a)(1)(F) and Rule 0120-02-.07(5)(b).

PENALTY: \$2,000 civil penalty; must take and pass the Board's law and rules exam.

CONSENT ORDER: August 2, 2011



Information On Examinations



The Board would appreciate your sharing information about these professional examinations with interns in your office.

ARCHITECTURE

Information about the Architect Registration Examination (ARE) and free practice software are available at the National Council of Architectural Registration Boards' (NCARB's) website: www.ncarb.org.

Interns wishing to sit for the ARE before completing the Intern Development Program (IDP) must file an application with the Board and request that NCARB transmit a record summary to the Board office confirming that they have enrolled in IDP. Applicants applying for early ARE eligibility must also submit transcripts. Upon completion of IDP, a complete NCARB record must be transmitted to the Board and references must be submitted before registration may be granted.

Exam Results (6/16/11-1/2/12)

	Total	Pass	% Pass
Constr. Doc. & Services	15	10	67%
Prog., Planning & Practice	20	14	70%
Structural Systems	36	28	78%
Bldg. Design & Const. Sys.	20	16	80%
Schematic Design	31	25	81%
Site Planning & Design	17	15	88%
Building Systems	24	20	83%

ENGINEERING

• Fundamentals of Engineering Examination (FE) —

Application Deadlines:

	Seniors*	Non-seniors**
Spring Exam	February 1	January 1
Fall Exam	August 15	August 1

^{*}Engineering students with senior status in the engineering curriculum.

The FE exam will be administered in Chattanooga, Cookeville, Nashville, Knoxville, Martin, and Memphis on:

April 14, 2012 October 27, 2012

 Principles and Practice of Engineering Examinations (P&P) —

The application deadline for new applicants for the spring Principles and Practice of Engineering exam is December 1. The fall deadline is June 15. All supporting

documents (references, transcripts, etc.) are due in the Board office within thirty (30) days after the application deadline. The exam will be given in Nashville, Knoxville, and Memphis on:

April 13, 2012 October 26, 2012

To facilitate scheduling of the P&P exams, retake requests and fees should be received by the Board office by February 1 for the spring exam and September 1 for the fall exam. Registrants wishing to take other exam disciplines must submit an application to add an exam discipline (available at the Board's website) with the appropriate exam fee by January 1 for the spring exam and August 1 for the fall exam. The 16-hour Structural exam fee is \$1,020 (\$510 Lateral Forces and \$510 Vertical Forces), and the examination fee for all other disciplines is \$265.

Following approval by the Tennessee Board to sit for an exam, applicants must register with NCEES at www.ncees.org to reserve a seat for the exam. For information regarding exam study materials, which calculators are permitted in the examination room and exam specifications, please visit the NCEES website.

Exam Results (April 2011)

Total Pass % Pass Fundamentals of Engineering 574 436 76%

Principles and Practice of Engineering

Chemical	4	3	75%
Civil	121	64	53%
Electrical & Computer	35	17	49%
Environmental	2	0	0%
Mechanical	33	21	64%
All Disciplines	195	105	54%

Structural Engineering

(16-hour)	Total Acceptable%Pass		
		Result	
Vertical Component	6	5	83%
Lateral Component	6	4	67%

Note: To pass the Structural exam, an acceptable result must be obtained on both the vertical and lateral components. Four (4) candidates passed the Structural exam this administration.

Exam Results (Oct. 2011)

Total Pass % Pass Fundamentals of Engineering 356 271 76%

Principles and Practice of Engineering

Chemical	6	4	67%
Civil	111	57	51%
Control Systems	6	4	67%
Electrical & Computer	34	15	44%
Environmental	8	3	38%
Fire Protection	4	1	25%
Industrial	8	5	63%
Mechanical	36	25	69%
Mining & Mineral Processing	2	1	50%
Nuclear	2	1	50%
Petroleum	1	1	100%
All Disciplines	218	117	54%

Structural Engineering

(16-hour)	Total A	Acceptabl	e% Pass
,		Result	
Vertical Component	10	1	10%
Lateral Component	8	2	25%

Note: To pass the Structural exam, an acceptable result must be obtained on both the vertical and lateral components. Two (2) candidates passed the Structural exam this administration.

National pass rates are available on the NCEES website (www.ncees.org).

LANDSCAPE ARCHITECTURE

The multiple-choice sections of the Landscape Architect Registration Examination (LARE) – Sections A, B and D – are computerized and are administered separately from the graphic portions of the examination by the Council of Landscape Architectural Registration Boards (CLARB). In order to take the multiple-choice sections of the examination, exam candidates must register directly with CLARB at www.clarb.org. Candidates may take the examination at any of the approved CLARB testing centers. Additional information regarding the computerized sections, including current fees and exam dates, is available at CLARB's website.

The graphic portions of the examination – Sections C and E – are administered in Nashville, Tennessee by the Tennessee Board with examination fees paid directly to the Board. The dates for the administration of the graphic sections of the LARE are as follows:

June 11-12, 2012

The application deadline for the June exam is January 15. All supporting documents

cont. next page

^{**}Those who have already been awarded an undergraduate degree in engineering.

Examinations ...cont.

(references, transcripts, etc.) are due in the Board office within thirty (30) days after the application deadline. Retake requests for the graphic sections must be received by March 30 for the June exam.

Beginning with the September 2012 administration, the LARE will be completely computerized, and candidates will register directly with CLARB for all exam sections (see the related article in this newsletter for more information).

Exam Results (6/11)

	Total	Pass	% Pass
Section C	5	4	80%
Section E	5	3	60%

INTERIOR DESIGN

The Interior Design Qualification exam will be given on:

March 30-31, 2012 September 28-29, 2012

To obtain an application for the exam, call the National Council for Interior Design Qualification (NCIDQ) at 202-721-0220, or visit www.ncidq.org. The application deadline for the spring exam is December 1, and the deadline for the fall exam is June 1. NCIDQ has developed practice tests and design problems to assist exam candidates in preparing for the exam; see the NCIDQ website for details.

NEW REGISTRANTS

The Board and staff congratulate the following registrants who passed their respective professional examinations and were registered between January 1, 2011, and June 30, 2011:

ARCHITECTS

(Architect Registration Exam) Sean P. Bryant John David Caldwell, III John Everett Carter Jonathan Adam Colbaugh Stephen Edward Collins Terry Lynn Cox Matthew Craig Culver Sarah Lynn Dexheimer Jeffery Adams Earwood Randall Ray Harvey Robert Lynwood Holloway, II Noel Elizabeth Kade Sherry Wessel Mendel Holly Sanders Walker Eunice Chen Zhou

ENGINEERS

(Principles and Practice of Engineering Examinations)

Lewis Samuel Agnew, Jr. Nicholas Alexander Aleman Adam Clint Alexander Timothy William Arrowsmith David Andrew Ballard Christopher Aaron Ballou Christopher Todd Banks Iesse Shawn Baron Ion David Barrett Jonathan Ernest Bell Daniel C. Bertell Nicholas Joseph Bidlack David Alan Bilyeu Benjamin Bilbrey Bohannon Joshua Alan Bomar Matthew David Bowman Matthew Arnold Boynton Dain Michael Brandrup Samuel Edward Bratton John Douglas Brew Cierra Davida Bridges Anna C. Brodie Eric Thomas Broomfield Matthew Bruce Brown Matthew Preston Bryan Jeffery Howell Bryant, Jr. Elizabeth Marie Burks Adam Samuel Byard Charles Wray Campbell, Jr. Michael Adam Carter Laura Harr Chandler Mary Hampel Chandler Regan Eugene Chandler Jarrod Lon Chapman Mark Alexander Clark Matthew Rvan Clark Brad David Cloar Michael Reed Collins Bobby Jack Colwick, Jr. Patrick Caudell Combs Michael Wayne Cooper Lisa Harbrecht Coppinger Ryan D. Cox Aaron Daniel Crenshaw Trevor Alan Cropp Kevin Andrew Crumley Adam Wilson Crunk Luke Bryant Dalton Alicia Nicole Dauw Kyle Rafael Dauw Lawrence Randall Dean Preston John Denson Edwin Bradley Deyton Keith Alan Dietrich Joshua David Dodd David Douglas Dowell Micah Levi Duffey Brett A. Dunagan

Timothy Allen Elsea Rvan Matthew Estabrooks Matthew Dee Evans Taiwei Fang Alex Darnell Farmer Ryan James Farris Iohn David Fehrenbach Scott Richard Fesler Jason Marshall Fitch Jason Rufus Foley Joshua Emory Fox Timothy Lee Frederick Brian Hugh Gafford Wesley S. Gilmer Warren Tice Goodson David Michael Grass L. Keith Grayson Charles Vernon Haire, Jr. Preston Carlyle Hall Lori Thomas Hartzog Kevin Charles Hay Justin Steven Hethcote Adam Lee Hicks Edward Wayon Hines Bradley William Hodges Michael Corey Hodges Jeffrey James Hooyman Kacie E. Huffaker Brian Jason Huffine Michael Brian Hutcherson James Bradley Jarrett Matthew Thomas Jeffers Fredrick James Jensen, III Marcus Eric Johnson John Straud Kaley Kalvana Chakravarthi Kanjarkar Emad Gad Karas Derek Kent Kilday Ryan Mitchell Killgore Jacky G. Kimes, Jr. Nicole Long King Addie Louise Kirkham Ryan Anderson Kirkland Travis Lynn Kirkland Aaron Matthew Kline Justin Daryl Kuhlers James David Lane, Jr. Charles Bedford Lanning, III Andrew Kenneth Lautner James Lawrence Lee Stephen Christopher Lee Tae Hyung Lee Gregory Neil Littlefield Jonathan Douglas Love Tessa Claire Luther Iames Howard Maitland David Abuoi Majok Jittapong Malasri Tara Liyana Mallison Kristy Leigh Manahan David Allen Marcum William Brian Marsh

Michael Patrick Massey

Harold Joseph Matlock Ariane Petersen Mav Keith Bryson Mayes James Dustin Mays James Christopher McGuire Noah Glenn McMillan Kristopher Lee Meyer Frank Crouthers Mills Wesley Earl Mittlesteadt David L. Montague Robert Alexander Montgomery Patrick Lynn Moriarty, Jr. Paul Eric Mullins Clemence M. Noakes Joseph William Novak Frank O'Neil Oakes, III Gary Michael Ogletree Lindsey Heather Orsburn Candice Ann Owen William Justin Pendley Amy Leigh Pennoyer Janette Louise Peters Dara Johanna Phillips Tony Gregory Pinson Michelle Lee Powell Brvan Samuel Price Ashley Sterling Quinn Mathew John Rachor Jeffrey Lee Raines Michael Frank Rebick Michael Cain Reed Matthew Benjamin Regenold Daniel Joseph Roberts Alice Henson Rodewald Steven Michael Rogers William Lee Schumann, II Roger Allen Schwintosky Chad Eric Seaver Ross Emmons Shaver Jennifer Marie Shupe Steven Helms Sikes Clifton Charles Sluss Daniel Curtis Smith Matthew Stephens Smith Travis Wallace Smith David E. Spinks Casey M. Stafford James Timothy Stansell Paul Martin Steele David Will Sterrett Christopher Luke Stewart Ghouse Sundke Mohammed Christopher D. Sweat Douglas Adrian Swett Matthew Todd Tanner Creed Taylor Kelli Dawn Taylor Paul Robinson Thomas Stephenson Girard Thomas, IV Jamison Earl Townsend Tuan Anh Tran Dustin A. Tremaine

cont. next page

William J. Edwards

Examinations ...cont.

John David Triplett
Jason Patrick Tucker
Emmanuel Tuombe
Jacob F. Vincent
Walter Edward Wade
Fengjuan Wang
Randall Scott Ward
Vickie Lea Watson
David Marion Webb
Gregory T. Webb
Leslie Aaron Webb
Charles Devan Welch
Britton Dean Wells

Christopher Patrick Whitley Brian Hinton Whitlow Jennifer Lee Williams Matthew Steven Williamson Jason Cyle Wilson Joshua David Wolfe Cecilia Bee-Yeng Yii-McAnally Michael Paul Yun David Hall Zarecor Kevin William Zitzow

LANDSCAPE ARCHITECTS

(Landscape Architect Registration Exam) Brandon Hall Peppenhorst Robert Hartley Scott

REGISTERED INTERIOR DESIGNERS

(National Council for Interior Design Qualification Exam)

Mary Diane Bartoe Jennifer Renee Miller Marilyn Diane Parker Elizabeth Chappell Phillips Jessica Lynn Smelcer



The Board and Staff wish to extend our sympathies to the families and friends of these individuals who have honored their professions:

ARCHITECTS

Bobby G. Fowler, #15980, Kenton, TN Leroy D. Gerard, #6201, Knoxville, TN Alfred Greif, Jr., #1986, Nashville, TN Leslie E. Smith, #100648, Memphis, TN

ENGINEERS

John Gregory Baines, #103755, Lebanon, TN

Michael Charles Bell, #104129, Madison, TN

Nicholas George Cristy, #109737, Ballston Spa, NY

Walter D. Draughon, Jr., #9991, Brentwood, TN

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Richard F. Glascock, II, #15824, Murfreesboro, TN

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Tommy L. McDaniel, #11194, Ooltewah. TN

Bert A. McDowell, #17380, Hixson, TN

Ralph E. Moellenhoff, #13591, Victoria, TX

Donald P. Schaefferkoetter, #20245, Knoxville, TN

Michael L. Wilkerson, #103502, Niceville, FL

Lawrence D. Wolf, #102851, Springfield, MO

LANDSCAPE ARCHITECTS

Larry D. Cockerham, #257, Nashville, TN Austin Payne Phillips, #866, Nashville, TN

Carolyn S. Sartor, #293, Nashville, TN

If you have a name that should be recognized in this section, please contact the Board office.

Tennessee Board of Architectural and Engineering Examiners

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