

An official NCEES publication for the exchange of information, opinions,
and ideas regarding the licensure of engineers and surveyors



Headquarters Update

NCEES hosts ICOR subcommittee to discuss incidental practice

DAVID COX | NCEES CHIEF EXECUTIVE OFFICER

FOR A NUMBER OF YEARS, NCEES HAS WORKED as part of the Interprofessional Council on Registration (ICOR) to address issues that impact the engineering and surveying professions.

ICOR is made up of the following organizations:

- Council for Interior Design Qualification (CIDQ)
- Council of Landscape Architectural Registration Boards (CLARB)
- National Council of Architectural Registration Boards (NCARB)
- National Council of Examiners for Engineering and Surveying (NCEES)

These organizations collaborate on issues of shared interest, including member board support, best practices in regulation, and advocating on behalf of public protection. ICOR members also work together to coordinate policies, processes, and procedures between professions to reduce friction and create administrative efficiencies for the many boards involved.

In response to a key concern for its member organizations, ICOR created an Incidental Practice Task Force to delve into various approaches to incidental practice used by engineers, surveyors,

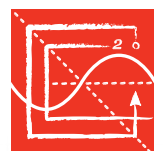
architects, landscape architects, and interior designers.

The purpose of the task force is to research and define each profession's role within the built environment and help demarcate responsibilities for each professional. This will be beneficial for our respective organizational missions and state licensing boards as we work diligently to untangle incidental practice issues.

The collaborative work of the task force for 2022–23 culminated in a three-day subcommittee meeting May 15–17 at NCEES headquarters to discuss identified limitations within professions in terms of acceptable and unacceptable overlap.

The meeting proved effective as all members were able to distill typical complex practices and apply a line of responsible practices for their respective professions. The findings from the meeting were given to the ICOR steering committee to determine how to best use the information and the most effective way to present the findings to state boards and other interested parties.

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Getting to know the annual meeting consent agenda

AS DELEGATES SIT DOWN WITH THE *Action Items and Conference Reports* to prepare for the annual meeting, they will see that one of the first items on the agenda is the approval of the consent agenda. But what is the consent agenda, and how is it developed?

The consent agenda is a list of motions that the Council will vote on in one motion, without debate. Any motion included in the *Action Items and Conference Reports* is eligible to be included on the agenda, including motions from standing committees and task forces, the board of directors, zones, and individual member boards. Typically, only standing committee and task force motions are included on the agenda.

Per NCEES Administrative Policy 9, the board of directors prepares the consent agenda. The agenda includes motions that the board of directors expects the Council to support without debate.

“Using a consent agenda allows the Council to address routine matters quickly,” NCEES Chief Executive Officer David Cox explained.

At its April meeting, the board of directors considered each motion that will come before the Council at the 2023 annual meeting and developed its position—whether the motion should be on the consent agenda and whether the board endorses, or supports, the motion. Occasionally, the board takes no position on a motion. The board typically uses this designation when it wants the Council to fully debate the motion without being influenced by the board’s opinion or when it does not agree on a position.

Removing items from the consent agenda

Before the Council votes on the consent agenda, the president asks if anyone would like to remove items from



Member board representatives prepare for a business session at the 2022 NCEES annual meeting. To streamline the business sessions, the board of directors compiles a consent agenda for delegates to vote on in a single motion at the meeting.

the agenda. Any member board can request that an item be removed. It does not need to offer a rationale; a delegate simply needs to announce the name of the board and the motion that the board wants to remove from the consent agenda.

While boards sometimes remove motions from the consent agenda because they want to debate them or offer amendments, they also remove them if they have questions. Additionally, committees will occasionally remove their own motions from the consent agenda to make changes. However, member boards do not need to wait until the business session begins to ask questions.

“If members have any questions about motions, we encourage them to ask before the business sessions begin so that we can get boards the information that they need before voting and help business sessions run smoothly,” Cox noted. “They can contact me or Chief Operating Officer Davy McDowell. We’ll point you to the right person to find the needed information.”

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Addressing non-consent agenda items

Motions removed from the consent agenda will be considered with the non-consent agenda. For these motions, each standing committee and task force will present its motion to the Council for discussion. If the board of directors opposes a motion, one of its members will present the rationale for this opposition.

The president, who presides over the meeting, will then open the floor for debate of the motion. When debate ends, the president will call for a vote. Each member

board has one vote, and its vote cannot be split. For most motions, a majority vote wins. However, motions to amend the *Bylaws* require a two-thirds majority.

Preparing for the meeting

For full information on the motions to be presented at the 2023 annual meeting, the official reports from NCEES officers and committees, and a list of the rules that NCEES follows during the annual meeting business sessions, see the *Action Items and Conference Reports*. The publication is posted in the Member Resources section of ncees.org (see Board Resources).

Zone business at the annual meeting

The four zones will meet separately on Wednesday morning and Thursday morning (if needed) during the annual meeting. Each zone will vote to approve the minutes of its spring interim meeting.

The draft zone minutes will be posted on the Board Resources section of MyNCEES (ncees.org/resources) before the annual meeting.

HEADQUARTERS UPDATE

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Shared advocacy focus

From an advocacy perspective, ICOR members collaborate on shared initiatives to respond to legislative challenges. This work includes providing resources such as writing committee letters, compiling statistics, developing one-pagers, and offering talking points to its many shared boards. The partnership has been crucial in educating lawmakers on the importance of regulating professions that impact the public.

ICOR staff has created a sunset review template to assist member boards with compiling information related to

eliminating perceived licensing barriers, tracking year-to-year licensee trends, and providing statutory changes to stakeholders. The focus of the past few years has been to provide member boards with the tools needed to convey the importance of licensing boards through research findings.

There is strength in numbers, and ICOR has provided us the opportunity to work diligently to help solve the challenges our professions are facing. This work is crucial to supporting our mission to safeguard the health, safety, and welfare of the public.



Upcoming EPS motion caps off six-year process to reshape the PS exam

JOSEPH FLYNN, L.S. | COMMITTEE ON EXAMINATIONS FOR PROFESSIONAL SURVEYORS CHAIR

THE COMMITTEE ON EXAMINATIONS FOR PROFESSIONAL Surveyors (EPS) is planning to present the following motion to the Council at the NCEES annual meeting in August:

Move that NCEES develop a Public Land Survey System module to be used in conjunction with the Principles and Practice of Surveying examination for jurisdictions that require such an exam.

The process that the EPS Committee followed to arrive at this motion took nearly six years and involved hundreds of licensed surveyors.

2017

The California Board for Professional Engineers, Land Surveyors, and Geologists initiated a motion at the 2017 annual meeting in Miami Beach, Florida, to address that, for its needs, the content of the current PS exam did not include enough Public Land Survey System (PLSS) items which required the board to make up the difference through its state specific exam. As a result, NCEES created a Surveying Exam Module Task Force to study the issue.

The task force completed its charges and acknowledged that consideration should be given to the psychometric viability and economic feasibility of any proposed changes. These two factors went on to impact future charges that were considered and are reflected in the current motion before the Council.

2018

At the 2018 annual meeting in Scottsdale, Arizona, the Surveying Exam Module Task Force presented several options to the Council, centering around the idea of four separate exam divisions:

- Base (Core)
- Metes and Bounds (Boundary)

- PLSS
- Mapping Sciences

This initial concept was met with concern from the Council that it would impede licensure mobility.

2019

At the 2019 annual meeting in Washington, D.C., the Council passed the following Surveying Exam Module Task Force motion:

Move that the PS examination be restructured into the following separately scored divisions and that the EPS Committee be charged with implementation:

- Core PS
- Boundary
- PLSS
- Mapping Science
- Incidental Drainage Design

While this motion addressed the concern that the content of the existing PS exam could be broadened in some areas, the financial impacts were not analyzed nor was a full professional activities and knowledge study (PAKS) performed. At this time, the task force turned over the work to investigating the possibility of a divisional PS exam to the EPS Committee.

2020-21

Members from the EPS Committee, Surveying Exam Module Task Force, and surveying community were assembled to develop a strategy for conducting a PAKS.

2022

A formal PAKS for the five exam divisions was completed in 2022. The PAKS questionnaire was administered electronically, and an invitation to take the questionnaire was sent to all

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Marquette University wins 2023 NCEES Engineering Education Award

MARQUETTE UNIVERSITY IS THE GRAND PRIZE WINNER of the 2023 NCEES Engineering Education Award. The university received the award for a project completed by its Opus College of Engineering. The award jury met virtually on June 7, 2023, to select the \$25,000 grand prize winner.

For the school's project, *Water Distribution System in El Tesoro, Guatemala*, students partnered with the community of El Tesoro, as well as with a number of other stakeholders, to tackle a 30-year problem. Through the design and implementation of a gravity-fed water distribution system, the team was able to help the community have access to clean water.

The jury praised the project for its significant interaction between the students and the P.E. mentor. Additionally, the jury was impressed that the students considered the long-term viability of the water system by ensuring training for the community members.

The jury selected seven additional winners to receive awards of \$10,000 each:

- Dartmouth College | Thayer School of Engineering
Low Cost, Open Source PFAS Filter Design for Small Cleaning Businesses and Beyond
- Kansas State University | GE Johnson Department of Architectural Engineering and Construction Science
Off-Grid Solar-Powered Electric Vehicle (EV) Charging Station—A Design-Build Project
- Lawrence Technological University | College of Engineering | I-475 Reconstruction North Segment
- Olivet Nazarene University | Martin D. Walker School of Science, Technology, Engineering, and Mathematics
Automated Cutting and Splicing Machine
- Seattle University | Department of Civil and Environmental Engineering
Traffic and Safety Improvement for a Busy T-Intersection



A student from the award-winning Marquette University team places ferrocement—a cost-effective and readily available material—on a water tank in El Tesoro, Guatemala. The team won the \$25,000 NCEES Engineering Education Award grand prize for its project to help a community access clean water.

- University of Delaware | College of Engineering
Partnerships, Perseverance, and Progress: Overcoming the Challenge of the COVID-19 Pandemic to Rehabilitate Wells in Malawi
- University of Wisconsin–Madison | Department of Civil and Environmental Engineering | *2023 NCEES Texas Wind Farm*

This annual award recognizes engineering programs that encourage collaboration between students and professional engineers. EAC/ABET-accredited programs from all engineering disciplines were invited to submit projects that integrate professional practice and education.

A jury of NCEES members and representatives from academic institutions and engineering societies selected the winners from the 24 entries. The jury members considered the following criteria:

- Successful collaboration of faculty, students, and licensed professional engineers
- Protection of the health, safety, and/or welfare of the public
- Multidiscipline and/or allied profession participation
- Knowledge or skills gained
- Effectiveness of display board, abstract, and project description

Profiles of the winning submissions are available online at ncees.org/award.

FROM THE PRESIDENT



CHRISTOPHER DUHAMEL, P.E., P.L.S.
NCEES PRESIDENT

2022–23 brings advancement in priority initiatives

AS WE GET CLOSER TO THE 2023 ANNUAL MEETING in Boston, I want to focus on some of our achievements for the year. The work of NCEES committees and task forces has been impressive. Many hours have been logged examining and addressing the charges. In addition, there have been several new outreach initiatives geared toward promoting and advancing licensure for the professions. I want to look back and celebrate our success.

Committee and task force highlights

The Committee on Uniform Procedures and Legislative Guidelines was charged with undertaking a five-year comprehensive review of the *Model Law* and *Model Rules*, which was completed.

The Committee on Examinations for Professional Surveyors has advanced the requirement for a singular Public Land Survey System (PLSS) module for the PS exam and will bring this motion before the Council in August.

The Engineering Licensure Model Task Force has completed three years of work that began under NCEES Past President Christopher Knotts, P.E., and the Council will have the opportunity to take the first step toward creating a standing committee on licensure.

The Committee on Finances evaluated reserve amounts and will present a motion at the annual meeting to amend this policy.

The board of directors reviewed the committee and task force reports and provided recommendations. I encourage member boards to review the reports as well, and I look forward to discussion at the annual meeting.

Advancing licensure through outreach efforts

Advancement of licensure is a tenet of each year's board of directors. Under the leadership of Chief Communications Officer Nina Norris, an outreach initiative was developed to provide honor cords for engineering and surveying graduates who have passed the FE or FS exam. As an adjunct professor at the University of Rhode Island, I witnessed firsthand the excitement and pride that the graduates had as they wore their FE honor cords and walked across the stage to receive their diplomas.

Another outreach initiative is the FE Ambassador program, where engineering students serve as on-campus representatives. NCEES has partnered with five schools to provide FE Ambassadors for the 2023–24 academic year: Clemson University, Kennesaw State University, North Carolina Agricultural and Technical State University, North Carolina State University, and University of North Carolina Charlotte. The group will meet for training in Greenville, S.C., August 25–27.

The board is also supporting an initiative to partner with the American Council of Engineering Companies to provide \$5,000 scholarships in all 50 states and the District of Columbia over the next three years. This is a program to support undergraduate engineering and surveying students.

The NCEES board of directors voted to create and fund an NCEES Foundation, which will support the mission of NCEES. The foundation will have a separate board of directors focused on its purpose, and the NCEES board of directors will remain focused on the Council's strategic operational initiatives.

In closing, I want to thank all of the NCEES staff for their tireless efforts to support the member boards, volunteers, and the board of directors.

Oregon Institute of Technology receives NCEES Surveying Education Award \$25,000 grand prize

NCEES HAS AWARDED ITS 2023 SURVEYING EDUCATION Award grand prize to the Oregon Institute of Technology's College of Engineering, Technology, and Management. This annual award recognizes surveying programs that best reflect the organization's mission to advance licensure for surveyors in order to safeguard the health, safety, and welfare of the public.

Six additional prizes were awarded to qualifying programs to assist with each program's continued efforts to promote the importance and value of surveying licensure. The award jury met virtually June 8, 2023, to select the winners.

A jury of NCEES members and representatives from surveying societies selected the winners from 13 entries. The jury members considered the following criteria:

- Program aspects
- Student outcomes
- Student involvement
- Outreach/recruitment
- Licensure promotion
- Benefits and merits

The jury praised the program for its focus on preparing graduates for professional licensure through its impressive surveying courses. In addition, the jury pointed out that the program not only had traditional articulation agreements in place, but also had partnerships with the statewide surveying task force, Girls got STEM, Trig-Star, and high school summer camps.

In addition to selecting the \$25,000 grand prize winner, the jury chose six programs to receive the following awards:

\$15,000 winners

- Ferris State University | School of Engineering and Computing Technology
- University of Akron | College of Engineering and Polymer Science | Surveying and Mapping program



Top: An Oregon Institute of Technology student determines a river's lowest elevation. The university's college of engineering, technology, and management won the 2023 NCEES Surveying Education Award grand prize. Above: Oregon Institute of Technology students stand at the summit of Mount Shasta, a potentially active volcano at the southern end of the Cascade Range in Siskiyou County, California.

- University of Maine | School of Engineering Technology Surveying Engineering Technology program

\$10,000 winners

- Alfred State College | Civil Engineering Technology Department | Surveying and Geomatics Engineering Technology program
- East Tennessee State University | Department of Engineering, Engineering Technology, and Surveying Surveying and Mapping Science program
- Nicholls State University | Department of Applied Sciences Geomatics program

Profiles of the winning Surveying Education Award programs will be posted as available at ncees.org/surveyingaward.

MEMBER BOARD BRIEF



DONNA SENTELL

LOUISIANA PROFESSIONAL ENGINEERING
AND LAND SURVEYING BOARD EXECUTIVE
DIRECTOR

A National Snapshot helps provide stronger and more united licensure framework

THIS PAST YEAR, ONE OF THE CHARGES OF THE Committee on Member Board Administrators was to review issues related to the threats to public protection. We reviewed continuing professional competency (CPC) requirements, the use of the Records program, the exam approval process, license verifications, and ways to improve processes in issuing licenses and renewals in a more timely and efficient manner.

Recognizing that each jurisdiction uses different processes mentioned in our charge, the committee decided to create maps that would showcase the various ways these processes were handled across the United States.

We polled every jurisdiction about its renewal cycles, CPC requirements, and exam approval processes for taking the FE and PE exams and the FS and PS exams, as well as decoupling experience from taking the PE and PS exams.

National Snapshot



At the April combined zone interim meeting in Houston, Texas, the committee had the opportunity to present 10 maps summarizing our findings. We called this effort “A National Snapshot—Best Practices.”

The maps were designed to serve as a reference point for jurisdictions to evaluate their current processes and consider establishing a list of best practices. Additionally, the maps can be used as a resource for boards monitoring legislation or engaging with legislative oversight committees concerning the barriers to licensure and the threats to public protection.

While all the maps are included in the 2023 *Action Items and Conference Reports*, we have provided a sneak peek at three maps showcasing CPC requirements, exam approval processes for PE exam candidates, and the decoupling of experience for PS exam candidates. Each map shows our diverse requirements across each jurisdiction. (See next page.)

MBA Committee recommendation

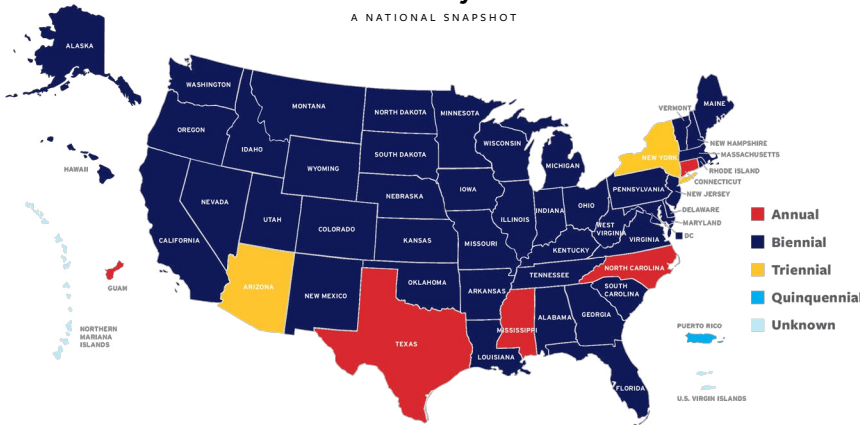
As a collective body representing the licensure process for professional engineers and professional surveyors, the recommendation from the MBA Committee is simple. We should be working to create more commonalities, presenting a unified front, and establishing a list of best practices for professional licensure.

The National Snapshot maps are a significant tool to assist with creating a stronger and more united licensure framework. This framework will benefit those wanting to pursue licensure as a professional engineer or professional surveyor. It will help to minimize the barriers to licensure and the threats to public protection. It will continue to strengthen and support the primary mission of every jurisdiction, which is to safeguard the health, safety, and welfare of the public.

Sentell is executive director of the Louisiana board and chair of the 2022–23 NCEES Committee on Member Board Administrators.

Renewal cycles

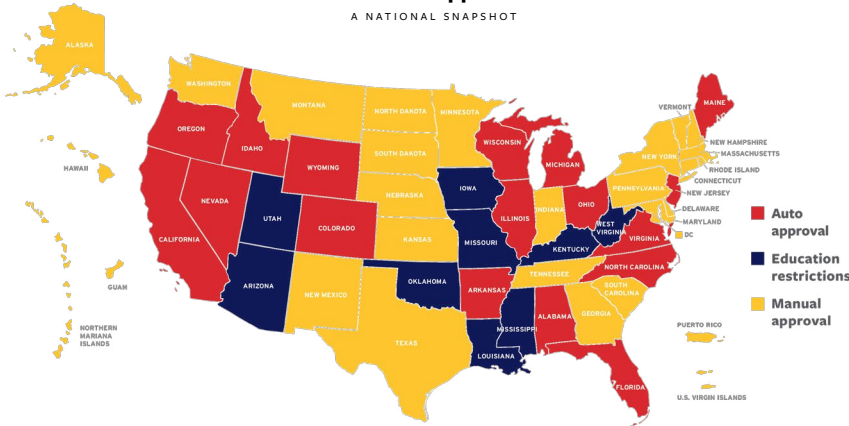
A NATIONAL SNAPSHOT



To help jurisdictions identify barriers to licensure and better understand processes and practices in neighboring states, the MBA Committee created a series of maps, titled “A National Snapshot— Best Practices,” to share jurisdictional processes and help boards learn from one another. Three of these maps are shown.

PE exam approval

A NATIONAL SNAPSHOT



Decoupling experience and PS exam approval

A NATIONAL SNAPSHOT



ENFORCEMENT BEAT



RON WILLEY, PH.D., P.E.

MASSACHUSETTS BOARD OF REGISTRATION OF
PROFESSIONAL ENGINEERS AND PROFESSIONAL
LAND SURVEYORS MEMBER

What are the ethical boundaries of using artificial intelligence in engineering or surveying?

I AM A CHEMICAL ENGINEERING PROFESSOR AND have been part of discussions that artificial intelligence (AI) is interfering with our ability to assess engineering student performance. Chat Generative Pre-Trained Transformer, or ChatGPT, is an artificial intelligence chatbot that enables users to refine and steer a conversation toward a desired length, format, style, and level of detail.

If students are turning to ChatGPT to generate answers, is this ethical?

Isn't this like using a calculator in place of a slide rule? Or using AutoCAD in place of drawing work on a drafting table? Calculators, spreadsheets, and AutoCAD are considered tools that make my work more efficient and accurate.

In my quest to find out if ChatGPT is a useful tool, I am finding that the answer is complex. Let's explore an example.

An example of ChatGPT

A few years back, I hired a local surveying firm, whose principal is a licensed surveyor in Massachusetts, for a property survey required for a building addition. I am now considering another building addition, but I would like to explore using other tools. I wanted to see if ChatGPT could provide a survey plot plan at a lower cost.

In early June 2023, I joined ChatGPT and asked it to create a survey plot plan for my property.

Below are the first two paragraphs of a response provided by ChatGPT.

I'm sorry, but as an AI text-based model, I don't have access to specific real-time data or the ability to generate visual content like survey plot plans. I can provide general information and guidance on survey plot plans, but for a specific location, I recommend reaching out to a professional land surveyor or consulting local authorities who can provide you with accurate and up-to-date information.

Land surveyors are trained professionals who specialize in measuring and mapping land boundaries. They have the expertise and tools necessary to create accurate survey plot plans based on the specific property you're interested in. They consider factors such as existing structures, boundaries, easements, and other relevant details.

For now, our professions—and therefore our ability to protect the public—appear to be safe from AI.

However, eventually, an artificial intelligence chatbot will find the Norfolk County Registry of Deeds, where my deed is recorded. It will find the plot plan on file. It will be able to piece together the history of the property, likely all the way back to 1623.

Is this an example of malpractice? My answer is no. This information exists. How it is brought out to the user/client does not matter, provided that it is in the public domain and is information and not design.

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But let's say I hire AI surveyors, at one tenth the cost of my previous survey, and I receive a plot plan generated from a combination of registry information and satellite images. The building inspector is satisfied. Is this malpractice? My answer is yes because the fieldwork is missing. So far, there is no substitute for the human element to go to the site and verify physical evidence.

There will always be a human element involved in design. A person must be held responsible and therefore must be qualified. One or two AI-generated tragedies will bring home the need for licensure and oversight.

You might suggest that we find a way to stop AI. Could professors stop the use of calculators in engineering classes and force students to use slide rules? The answer is no. How to legislate control and continue to protect the public will require understanding the ins and outs of AI and ensuring that the human element remains responsible.

Willey is a member of the Massachusetts board and a member of the 2022–23 NCEES Committee on Law Enforcement.

NCEES seeks licensed naval architecture and marine engineers' professional expertise and advice

NCEES IS CURRENTLY SEEKING LICENSED NAVAL architecture and marine engineers to participate in a professional activities and knowledge study, or PAKS, for the PE Naval Architecture and Marine Engineering exam. The results of this online survey will be used to update specifications for the exam, which is used throughout the United States for licensing purposes.

NCEES requires a cross section of licensed professional engineers practicing naval architecture and marine engineering—including those working in industry, consulting, the public sector, and academia—to complete an online survey about the tasks and knowledge required of a licensed naval architecture and marine engineer with four to six years of experience to practice in a manner that safeguards the health, safety, and welfare of the public. The survey can be completed in approximately 20–40 minutes.

“These studies help NCEES ensure its licensing exams remain relevant to current professional practice,” explained Chief Officer of Examinations Jason Gamble, P.E.

PE Naval Architecture and Marine Engineering PAKS Survey

The online survey is available at ncees.org/NAMEPAKS.

Open until September 7



“The value of this PAKS depends on the number of people who participate, so NCEES is eager to get a large response from professional engineers across all areas of naval architecture and marine engineering.”

The online survey will be available at ncees.org/NAMEPAKS until September 7, 2023. For more information, contact NCEES Exam Development Engineer Don Colman, P.E., at dcolman@ncees.org.

NCEES named one of the Best Places to Work in South Carolina

FOR THE THIRD YEAR IN A ROW, NCEES HAS BEEN named one of the Best Places to Work in South Carolina. SC Biz News created this 18th annual program in partnership with the South Carolina Chamber of Commerce and Best Companies Group.

This survey-and-awards program was designed to identify, recognize, and honor the best employers in the state of South Carolina, benefiting the state's economy, workforce, and businesses.

"NCEES is continuously researching and finding the best ways to address employee needs in the changing work environment, and we are honored to be named one of the best places to work in South Carolina for 2023," said NCEES CEO David Cox. "We value our employees and recognize the impact their work has in protecting the health, safety, and welfare of the public. Providing them with the best working environment for their development and overall well-being ultimately benefits us all."

Companies from across the state entered the two-part survey process to determine the Best Places to Work in South Carolina. The first part consisted of evaluating each nominated company's workplace policies, practices, philosophy, systems, and demographics. The second part consisted of an employee survey to measure the employee experience. The combined scores determined the top companies and the final ranking. Best Companies Group managed the overall registration and survey process, analyzed the data, and determined the final rankings.



The ranked companies will be recognized at an in-person awards ceremony on August 10, 2023, at the Columbia Metropolitan Convention Center in Columbia, South Carolina. The rankings will be published in an upcoming special issue of *SCBIZ Magazine*, including profiles of the companies.

For more information on the Best Places to Work in South Carolina program, visit BestPlacesToWorkSC.com.

EPS MOTION FOR PS EXAM

continued from page 4

member boards, licensed surveyors who have passed the PS examination, and various professional organizations in the surveying community.

Once the PAKS was complete and the EPS Committee had all the data, the outcome yielded different results from the assumptions that the task force presented years prior. It was clear from the PAKS that Core and Boundary were the foundation of the PS exam and should continue to be tested together and that PLSS should be tested separately as its own division.

2023

At the 2023 combined zone interim meeting, some feedback related to divisional exams being a barrier to entry for the profession and an extra burden to exam candidates in terms of both time and cost was shared.

The EPS motion before the Council this August will create a separate PLSS module and allow us to move forward with a new PS exam specification that no longer contains any PLSS items. The Core and Boundary content areas will continue to be covered in the PS exam.

This honors the original 2017 motion and all the work of the Surveying Exam Module Task Force and previous EPS committees. It enhances the protection of the public with a singular PLSS module that will allow many jurisdictions to remove this content from their state-specific surveying exams or to drop them entirely, keeping barriers to licensure to a minimum.

The EPS Committee would like to thank the many volunteers, PAKS participants, NCEES staff, psychometricians, and the NCEES board of directors from 2017 to 2023 for supporting our work. In addition, I thank Aaron Blaisdell, P.L.S., and Richard Moore, P.L.S., for their contributions to this article.

The EPS Committee report in the *Action Items and Conference Reports* contains additional information and supporting rationale for this motion, and we are proud to bring the motion before the Council in August.

Flynn is chair of the 2022–23 EPS Committee and a member of the Vermont Board of Land Surveyors.

The following are upcoming NCEES outreach activities to promote engineering and surveying licensure. For the latest outreach news, follow NCEES on Facebook, Twitter, and LinkedIn. Visit [ncees.org](https://www.ncees.org) for links to its social media pages.

P.E. and P.S. Profiles

In the August profile, James Combs, P.S., discusses his work as a delegate for the NSPS Young Surveyors Network. Combs graduated from Murray State University with a degree in civil engineering technology. He is licensed as a surveyor in multiple states and has enjoyed living and working in Kentucky, Wyoming, New Mexico, and Colorado. Combs has been involved with Young Surveyors since 2017, serving as

a state coordinator for the New Mexico chapter and as an officer for the organization. In 2021, Combs and his wife started a surveying firm called Bona Fide Surveying. Profiles are posted at [ncees.org/engineer-profiles](https://www.ncees.org/engineer-profiles) and [ncees.org/surveyor-profiles](https://www.ncees.org/surveyor-profiles).

iMAGINE Upstate STEAM Festival

August 26

NCEES is a sponsor for the 2023 iMAGINE Upstate STEAM festival in Greenville, South Carolina. Staff will lead hands-on activities to promote engineering and surveying to children and their families. Originally scheduled for April 1, 2023, the event was moved to August due to weather.

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UPCOMING EVENTS

AUGUST 2-3

PE Electrical and Computer PAKS Meeting
Greenville, South Carolina

AUGUST 4-5

FE Exam Meeting
Greenville, South Carolina

AUGUST 9-10

PE Fire Protection Exam Meeting
Virtual

AUGUST 10-11

PE Naval Architecture and Marine Exam Meeting
Greenville, South Carolina

AUGUST 11

PE Structural Building Depth Exam Meeting
Virtual

AUGUST 11-12

PE Architectural Exam Meeting
Greenville, South Carolina

AUGUST 15-18

NCEES Annual Meeting
Boston, Massachusetts

AUGUST 18-19

PE Nuclear Exam Meeting
Virtual

AUGUST 24-26

PE Structural Exam Meeting
Greenville, South Carolina

AUGUST 25-27

FE Ambassador Training
Greenville, South Carolina

AUGUST 28-29

PE Agricultural and Biological Exam Meeting
Greenville, South Carolina

SEPTEMBER 7-8

PE Control Systems Exam Meeting
Virtual

SEPTEMBER 8-9

PE Electrical and Computer: Power Exam Meeting
Virtual

SEPTEMBER 14

PE Mining and Mineral Processing Specifications Meeting
Greenville, South Carolina

SEPTEMBER 14-15

PE Chemical Exam Meeting
Virtual

SEPTEMBER 15-16

PE Mining and Mineral Processing Exam Meeting
Greenville, South Carolina

SEPTEMBER 18-21

PE Structural Cut Score Meeting
Greenville, South Carolina

SEPTEMBER 19-20

PE Petroleum Exam Meeting
Greenville, South Carolina

SEPTEMBER 29-30

PE Environmental Exam Meeting
Virtual

MEMBER BOARD NEWS

California

Guillermo Martinez Jr. is a new appointee.

Maine PE

Robert Chaput, Robert Dorko, and Kimberly Powers are new appointees. Clifton Greim is no longer a member.

Massachusetts

Kathleen McNally is the new board administrator, replacing Jason Wentworth.

New York

Rosaleen Nogle, Michael Rygel, and Patrick VanHaverbeke are new appointees.

Oklahoma

Joe Cardenas is a new appointee. Chris Ramseyer is no longer a member.

Pennsylvania

Daniel Hartman is a new appointee.

Associate

The NCEES board of directors approved the following associate member at its April 2023 meeting.
Washington: Mackenzie Wherrett

Emeritus

The NCEES board of directors approved the following emeritus member at its April 2023 meeting.

North Carolina: Richard Benton



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Licensure EXCHANGE

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NCEES seeks licensed mining and/or mineral processing engineers' professional expertise and advice

NCEES is currently seeking licensed mining and/or mineral processing engineers to participate in a professional activities and knowledge study, or PAKS, for the PE Mining and Mineral Processing exam. The results of this online survey will be used to update specifications for the exam, which is used throughout the United States for licensing purposes.

NCEES requires a cross section of licensed professional engineers practicing mining and/or mineral processing engineering—including those working in industry, consulting, the public sector, and academia—to complete an online survey about the tasks and knowledge required of a licensed mining and/or mineral processing engineer with four to six years of experience to practice in a manner that safeguards the health, safety, and welfare of the public. The survey can be completed in approximately 20–45 minutes.

“These studies help NCEES ensure its licensing exams remain relevant to current professional practice,” explained Chief Officer of Examinations Jason Gamble, P.E. “The value of this PAKS depends on the number of people who participate, so NCEES is eager to get a large response from professional engineers across all areas of mining and mineral processing engineering.”

The online survey will be available at ncees.org/MMPPAKS until August 9, 2023. For more information, contact NCEES Exam Development Engineer Sonya Dawson, P.E., at sdawson@ncees.org.