



**Brought to you by the  
Pennsylvania Aggregates  
& Concrete Association**



# **SELF-CONSOLIDATING CONCRETE TESTING TECHNICIAN CERTIFICATION EXAM**

This program is intended as a review in preparation for certification testing. It is not for instructional purposes.

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Please refer to your email confirmation  
for your exam date and location.

# EXAM CRITERIA

A Self-Consolidating Concrete Testing Technician is an individual who has demonstrated the knowledge of and ability to properly perform five standard test methods and practices on self-consolidating concrete.

This program assesses proficiency in the following ASTM test methods and practices:

- C1610/C1610M – 14—Static Segregation of Self-Consolidating Concrete Using Column Technique
- C1611/C1611M – 14—Slump Flow of Self-Consolidating Concrete
- C1621/C1621M – 14—Passing Ability of Self-Consolidating Concrete by J-Ring
- C1712 – 14—Rapid Assessment of Static Segregation Resistance of Self-Consolidating Concrete Using Penetration Test
- C1758/C1758M – 15—Fabricating Test Specimens with Self-Consolidating Concrete



## CERTIFICATION REQUIREMENTS

ACI will grant certification to candidates who meet both of the following requirements:

1. Passing score on the written examination, AND
2. Successful completion of the performance examination.

The one-hour written examination is closed-book and consists of approximately 50 multiple-choice questions. There are between 6-10 questions on each of the ASTM test methods and practices. To pass the written examination, BOTH of the following conditions must be met:

1. Minimum score of 60% correct for each of the required test methods and practices, AND
2. Minimum score of 70% overall.

The performance examination is also closed-book and requires actual demonstration of the required test methods and practices. The examinee is assessed on his/her ability to correctly perform (or describe items verbally, where allowed) all of the required steps for each procedure.

Certification is valid for a period of five years from the date of successfully completing all requirements.

Recertification requires the successful completion of both the written and performance examinations.

# WHAT TO BRING WITH YOU

## Written Exam

An examinee should bring the following items to the exam:

- Drivers license or photo ID (must be presented at the time you check in at the testing facility)
- ACI Self-Consolidating Concrete Technician Workbook
- Two #2 pencils
- One simple function calculator (The use of programmable calculators during exams is prohibited & examinees MAY NOT share calculators.)
- Notebook or note paper

## Performance Exam

For the practical exam, participants should bring:

- Safety glasses
- Hard hat
- Gloves
- Boots (preferably steel toes)

**Cell phones must be  
turned off and are  
prohibited during  
the exam**

## EXAM SCHEDULE

**7:30 AM - Arrival & Registration**

**7:45 AM - Basic review of the exam  
material**

**12:00 PM - Lunch**

**12:30 PM - Written and  
Performance Testing**

**3:30 PM - Adjourn**

## BEFORE the EXAM

### PREPARING FOR THE EXAM:

- Review the entire ACI workbook (included in your registration fee)
- Complete all study questions at the end of each chapter
- Instructors suggest doing the first two above at least 2-3 times
- Attendees should have a working knowledge of, **and** experience with, all of the testing methods that will be covered. Practicing these proficiencies prior to performance examination is strongly suggested.

### NOTE:

Please note that, while ACI has provided all measurements and calculations in both standard US and metric versions, you need only to study the standard US format.

### IMPORTANT:

- If you did not personally register yourself for the exam, please ask your registration contact for a copy of the email confirmation received upon registering to access ASTM standards.
- Thoroughly review your information in the email confirmation to make sure everything is correct.

### CONTACT:

Contact Kallie Kline at [kallie@pacaweb.org](mailto:kallie@pacaweb.org) to request to have your written exam conducted orally.

## DURING the EXAM

### SCHEDULE:

- Please plan to arrive at the exam site by no later than 7:15 AM to allow time for check in before the review begins.

### ARRIVAL AT THE EXAM SITE:

- You will be asked to show a photo ID / driver's license.
- You will be asked to sign a form used to authorize the release of your exam scores and resulting certification status directly to a party other than yourself, such as your employer.

### ITEMS TO BRING / REMINDER:

- Please be sure to have all the items noted on previous page with you.

## AFTER the EXAM

### ROLE OF PACA & OUR INSTRUCTORS:

- We simply administer & proctor the exam.
- We DO NOT score the exam, send out certificates or cards, replace lost cards, etc. This is all handled by staff at the ACI headquarters in Michigan.

### VERIFYING THE STATUS OF YOUR EXAM RESULTS:

- Allow 2-4 weeks for ACI to process and score exams.
- Visit ACI's website at

<https://www.concrete.org/certification/verifyacertification.aspx?d=Ask>

- OR, download ACI's verify certification app. Download instructions can be found via the link above.

### CONGRATS, YOU PASSED - NOW WHAT?

- This certification is unique to the person who took the exam and DOES NOT belong to the company who paid for it.
- Certification records (certificate, etc.) are provided directly to YOU, the examinee. It is your responsibility to provide this information to your employer. ACI will not provide this information to them unless a consent form has been signed
- Recertification is every 5 years & requires successful completion of the exam once again.

### UNFORTUNATELY YOU FAILED - NOW WHAT?

- ACI allows one year from the original date that you took the exam to retake it to pass. You may retake it as many times as needed within that one-year timeframe.
- Please contact PACA if you need a testing date to retake your exam.

# Cancellations

## FOR CANCELLATIONS:

All registration fees, minus the cost of the workbook/shipping (\$135) already received, will be refunded. Retest cancellations are subject to a \$100 refund.

Cancellation requests must be made in writing to [kallie@pacaweb.org](mailto:kallie@pacaweb.org).

## FAILURE TO ATTEND AN EXAM WITHOUT MAKING A NOTICE OF CANCELLATION:

No refunds will be provided for no shows.

**Cancellation requests must be provided in writing by email to [kallie@pacaweb.org](mailto:kallie@pacaweb.org). Telephone requests cannot be accepted.**

**Substitutions are always welcome WITHIN THE SAME EXAM DATE and should be requested in writing to [kallie@pacaweb.org](mailto:kallie@pacaweb.org).**

PACA reserves the right to dismiss any registrant for disruptive behavior toward the instructor and/or other participants. Registrants dismissed for disruptive behavior are not eligible for a refund of their registration fee and will be reported to their employer.

The registrant of this certification voluntarily assumes the risk of injury to themselves which may result from the training, testing or demonstration and releases and discharges PACA, the facility providing the training, testing or demonstration site and the provider of the training, testing or demonstration from all claims or liability by participant resulting therefrom.

PACA reserves the right to charge appropriate registration fees based on membership status, late date registration, cancellation and transfer policies.

PACA is not responsible for an exam failure based on lack of study time or preparation by registrant.

PACA reserves the right to cancel or reschedule exams or to assign attendees to a different exam in order to comply with COVID-19 related orders, directives or guidance, or in the event that it deems such changes necessary for the protection or best interest of its attendees.

# Transfers

## TRANSFERRING FROM ONE EXAM DATE TO ANOTHER:

Transferring from one exam date to another within ten (10) days of your original exam date is subject to a \$100 transfer fee and is based on availability of seats in your requested date.

Fee must be paid via credit card at time of invoicing.

It is the responsibility of either your company or yourself to obtain a copy of the book from the original registrant or to purchase a new book for your replacement. A new book will not be shipped to a substitute.

Transfer requests must be submitted in writing to [kallie@pacaweb.org](mailto:kallie@pacaweb.org).

Transfers from one exam year to another are prohibited. If you cannot make your exam in the current year, you will be issued a refund based on the refund policy.

**Once shipped, workbooks become the sole possession of the payee/attendee and may not be returned to PACA for a refund.**

**Policies**



## Who to contact?



### Contact Person: Kallie Kline

- If you have questions regarding registering for an exam or need to set up a log in password to receive the PACA member rate
- If you need special accommodations to complete your exam
- If you need to make a substitution for the exam attendee
- If you need to schedule a retest
- If you need information on additional exams offered by the Association
- If you need to cancel or transfer to another exam date
- If you need to purchase an additional copy of the workbook
- If you have questions regarding payment or anything financially related

### Contact Person: Ken Crank, Instructor

- If you have specific questions regarding exam content
- If you are having issues finding the exam site the day of your exam



### Contact: Certification Department

- If you need to replace a lost or damaged certification certificate or card
- To verify if you are certified
- Request your certification number
- Ascertain your certification expiration date
- To learn the specific areas of the exam that you may have failed



**248.848.3790**



## CONTACT INFORMATION

Kallie Kline, Director of Member Services  
kallie@pacaweb.org  
Office: 717-234-2603

Ken Crank, Director of Certifications & Sustainability  
ken@pacaweb.org  
Cell: 717-468-0259

## Who is PACA?

The Pennsylvania Aggregates & Concrete Association, based in Harrisburg, PA, is the leading voice for the crushed stone, ready mixed concrete, sand and gravel, and cement industries' community. PACA safeguards these industries from common threats, expands market opportunities, trains a productive workforce, educates and communicates the value of construction materials to the Commonwealth, and serves as the gathering for industry stakeholders.