



**ACI CONCRETE FIELD TESTING TECHNICIAN –
GRADE 1
(INTERNATIONAL CERTIFICATION BY ACI, USA)**

**DATE: 29TH & 30TH JAN 2024
TIME: 0900 – 1700 HRS**

**VENUE: RAK Materials Consultants Pte Ltd
Block 2032, Bukit Batok Street 23 #01-298
Singapore 659537**

**TRAINING & CERTIFICATION FEES PER PERSON: S\$700.00
RE-SIT WRITTEN EXAMINATION PER PAX: S\$300.00
(No GST payable)
(Fee is inclusive of tea / coffee, snacks, lunch & course
material)**

COURSE OUTLINE

The Training Course and the Certification focuses on the following ASTM standards which relate to testing of fresh Concrete.

- 1. ASTM 1064/C1064M-17: Temperature of Freshly Mixed Hydraulic-Cement Concrete.**
- 2. ASTM C172/C172M-17: Sampling of Freshly Mixed Concrete.**
- 3. ASTM C143/C143M-20: Slump of Hydraulic Cement Concrete.**
- 4. ASTM C138/C138M-23: Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete.**
- 5. ASTM C231/C231M-22: Air Content of Freshly Mixed Concrete by the Pressure Method.**
- 6. ASTM C173/C173M-23: Air Content of Freshly Mixed Concrete by the Volumetric Method.**
- 7. ASTM C31/C31M-23: Making and Curing Concrete Test Specimens in the Field.**

COURSE MATERIAL

All the registered Participants will receive a copy of the Technical Workbook, Publication CP-1.

ACTIVITIES ON DAY ONE, 29TH JAN 2024

The course commences with Theory Session of around 3 hours duration during which the background Theory underlying each one of the above ASTM Standards are comprehensively covered. This will be followed by a Practical Demonstration Session during which all the Practical Tests covered under the above ASTM Standards will be Demonstrated by the Trainer using real concrete mix. The participants are required to do hands-on practice under the guidance of the Trainer.



ACTIVITIES ON DAY TWO, 30TH JAN 2024

The day commences with a short briefing session and filling of relevant Examination Documents. This shall be followed by One Hour Closed Book Written Examination. The Written Examination constitutes Multiple Choice Questions (MCQ) focusing on all the above Seven ASTM Subsets. Calculators will be provided the Written Examination and Mobile Phones are strictly not allowed.

ACI, USA headquarters will ship the Written Examination Question Paper Sets to ACI – Singapore Chapter on specific request, and upon completion of the Theory Examination, the Answer Scripts together with the Question Papers will be returned to Certification Body, ACI, USA, for marking and compiling of the results.

The Performance Examination shall follow the Written Examination. Examinees shall be examined for all the Seven ASTM Subtests by an approved Examiner. For each of the ASTM Subtests, the Examinees shall be given a maximum of Three Attempts to demonstrate the Tests in correct manner without missing any of the steps involved in the test. During the Performance Examination, the Examinees are required to answer correctly all the verbal questions asked by the Examiner.

The Examinees are requested to wear Safety Shoes and working pants and half sleeve tops during both Practical Demonstration and Performance Test.

REQUIREMENTS FOR SUCCESSFUL CERTIFICATION

For successful Certification it is mandatory to Pass both Written Examination and Performance Test.

To Pass the Written Examination the examinee must score 60% or higher in each of the Seven Written Subsets, and Score 70% or higher on the overall Written Examination. On request, a Re-Sit Written Examination shall be arranged on a mutually convenient day and time.

To pass the Performance Examination one must pass all the Seven ASTM Subtests in **ONE** Session. Those who fail to

demonstrate all the Subtests even after **Three** attempts will be re-examined on an another mutually convenient day and time.

ACI, USA will forward the ACI Certificate together with Wallet Card (Only to those who Pass both Written Examination and Performance Test) and Certification Result Report directly to the mailing address provided by the Examinees. The details of the successful Examinees will also appear on ACI website (www.ACI.org)

EXAMINERS, SUPPLEMENTAL EXAMINERS & INVIGILATORS

The Examiners, Invigilators and Supplementary Examiners are selected from the existing pool of Examiners, who have been duly Authorised by the Certification Body of ACI, USA. An independent Observer may also observe the whole Examination Process to ensure that Examination is conducted in a right manner.

ELIGIBILITY

The Trainee should have good proficiency in English language (Read, Write and Spoken) and possess sound knowledge of Basic Concrete Technology.

PROGRAM

24th Jan 2024	
0900 am to 0930 Hrs	Registration and collection of course material
0930 1100 Hrs	Theory lesson
1100 to 1130 Hrs	Tea / Coffee break
1130 to 1300 Hrs	Theory lesson (Continue)
1300 to 1400 Hrs pm	Lunch break
1400 to 1700 Hrs	Practical demonstration
25th Jan 2024	
0900 to 0930 Hrs	Briefing and filling of documents
0930 to 1030 Hrs	Written examination
1030 to 1100 Hrs	Tea / Coffee break
1100 to 1300 Hrs	Performance test
1300 to 1400 Hrs	Lunch break
1400 to 1700 Hrs	Performance test (Continue)

VENUE

All the activities will be held at the following venue. The location Map is attached.

RAK Materials Consultants Pte Ltd
Block 2032, Bukit Batok Street 23 #01-298
Singapore 659537

Contact person: Mr. Lu, Mobile: +65 85003682 /
Ms. Li, Mobile: +65 86083675

REGISTRATION AND CONTACT DETAILS

To register, please [Click HERE](#)

REGISTRATION CLOSING DATE: **25 Jan 2024**

The cheque - ACI (Singapore Chapter) is to reach the following address before the closing date (**25 Jan 2024**):

ACI (Singapore Chapter)

13 Hillview Crescent Singapore 669437

You may also pay via **internet banking** before the closing date **25 Jan 2024**:

ACI (Singapore Chapter)
Bank Code: 7171
Branch Code: 028
Account No: 0280025505

Telegraphic Transfer

Bank: DBS Bank Ltd Address: 12 Marina Boulevard, Marina Bay Financial Centre Tower 3, Singapore 018982, Bank Code: 7171, Branch Code: 028, Account No: 0280025505, Swift Code: DBSSGSG (Please email a copy of the TT slip to us. **The payer is responsible for all bank charges incurred**)



Note: Those who register for this program are eligible for One Year Free Membership of ACI – Singapore Chapter which entails free entry to all the technical activities organised by ACI – Singapore Chapter.